PRE-DEMOLITION SURVEY FOR ASBESTOS & LEAD-IN PAINT BUILDING 5 VA MEDICAL CENTER FAYETTEVILLE, NORTH CAROLINA

Prepared for:

TOLAND MIZELL MOLNAR 435 SPENCE DRIVE SALISBURY, NC 28144

Report Date:

October 22, 2014

Prepared by:

DURBIN ENVIRONMENTAL CONSULTANTS, INC. 3461 LAWRENCEVILLE-SUWANEE ROAD, SUITE A SUWANEE, GEORGIA 30024 (678) 482-9917

TABLE OF CONTENTS

		<u>PAGE</u>
1.	INTRODUCTION	3
2.	DISCUSSION AND RESULTS a. Asbestos b. Lead c. PCBs/Fluorescent Lights/Other Hazardous Materials	3
3.	METHODOLOGY Asbestos sampling protocol Lead-In-Paint (LBP) sampling protocol PCBs/Fluorescent Lights/Other Hazardous Materials Identification Protocol	6
4.	OBSERVATIONS/CONCLUSIONS	8
5.	RECOMMENDATIONS	10
6.	REFERENCES	11

APPENDIX

- A. Asbestos Bulk Sampling Summary followed by the Laboratory Report and Representative Photographs of Suspect Asbestos Containing Materials
- B. Paint Chip Sampling Summary followed by the Laboratory Report and Representative Photographs of Paint Chip Samples

1. INTRODUCTION

Durbin Environmental Consultants, Inc. (DEC) was retained by Toland Mizell Molnar, to conduct a pre-demolition hazardous material assessment for suspect asbestos containing materials and lead-in-paint (LBP) at the VA Medical Center (VAMC), Building 5, Fayetteville, North Carolina. Sellers C. Carmack of Durbin Environmental Consultants, Inc., conducted the hazardous material assessment on October 16-17, 2014. Michael F. Durbin, CIH of Durbin Environmental Consultants, Inc. collected data necessary for the asbestos abatement design on October 16-17, 2014. Mr. Carmack is currently accredited as an asbestos inspector through an Environmental Protection Agency (EPA) approved training provider and is licensed by the State of North Carolina, Department of Health and Human Services, Division of Public Health, Health Hazards Control Unit as an asbestos accredited inspector (Accreditation Number 11864, expiration Date (9/30/2015). Mr. Durbin is currently accredited as an asbestos project designer through an Environmental Protection Agency (EPA) approved training provider and is licensed by the State of North Carolina, Department of Health and Human Services, Division of Public Health, Health Hazards Control Unit as an asbestos accredited project designer (Accreditation Number 40188, expiration Date (9/30/2015).

Bulk sample analysis for suspect asbestos containing materials was performed by Analytical Environmental Services, Inc., 3080 Presidential Parkway, Atlanta, Georgia 30340. Analytical Environmental Services Inc. is accredited for asbestos fiber analysis through participation in the National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) and is assigned NVLAP Lab Code 102082-0. Analytical Environmental Services Inc. utilized the analytical method: EPA/600/R-93/116: "Method for the Determination of Asbestos in Bulk Building Materials" (polarized light microscopy in conjunction with dispersion staining).

Paint Chip Sample analysis was performed via a Flame Atomic Absorption Spectrophotometer (AAS) by Analytical Environmental Services, Inc. (AES), 3080 Presidential Parkway, Atlanta, GA 30340. AES is accredited in the analysis of lead-based paint (LBP) samples via the Environmental Lead Laboratory Accreditation Program (#100671).

2. DISCUSSION AND RESULTS

a. Building 5 - Asbestos

The asbestos survey was conducted in accordance with the sampling protocol established in the Environmental Protection Agency's Asbestos Hazard Emergency Response Act (AHERA 40 CFR, Part 763) for the materials included in this specific survey. The following provides general information and summarizes the potential impact of asbestos containing material during any scheduled renovation project.

Bulk samples were collected from the following suspect asbestos containing materials during this survey:

- 1. Ceiling Tile 12" X 12" Fissured Pinhole with Glue Dots (HM #1)
- 2. Ceiling Tile 2' X 2' Small Fissures and Pinholes (HM #2)
- 3. Ceiling Tile 12" X 12" Deep Fissured with Glue Dots (HM #3)

- 4. Ceiling Tile 2' X 2' Long Fissures and Pinholes (HM #4)
- 5. Floor Tile 12" X 12" Beige with Darker Beige Specks and Associated Mastic/Glue/Adhesive (HM #5)
- 6. Floor Tile 12" X 12" Blue and Associated Mastic/Glue/Adhesive (HM #6)
- 7. Floor Tile 12" X 12" Light Beige and Associated Mastic/Glue/Adhesive (HM #7)
- 8. Floor Tile 12" X 12" White with Grey Specks and Associated Mastic/Glue/Adhesive (HM #8)
- 9. Floor Tile 9" X 9" Red and Associated Mastic/Glue/Adhesive (HM #9)
- 10. Grey Stair Tread (HM #10)
- 11. Linoleum (HM #11)
- 12. Carpet Adhesive Green (HM #12)
- 13. Carpet Adhesive Brown (HM #13)
- 14. Dark Brown Covebase and Associated Mastic/Glue/Adhesive (HM #14)
- 15. Drywall and Joint Compound (HM #15)
- 16. Plaster Material (HM #16)
- 17. Window Caulk (HM #17)
- 18. Penetration Caulk (HM #18)
- 19. Exterior Window Caulk/Sealant Silicone-type (HM #19)
- 20. Sink Undercoating Black (HM #20)
- 21. Water Proofing Material Black (HM #21)
- 22. Ceramic Tile and Grout (HM #22)
- 23. Attic Insulation Blown-in Type (HM #23)
- 24. Foil Duct Insulation with Fiberglass (HM #24)
- 25. Pipe Insulation (HM #25)
- 26. Duct Tape White (HM #26)
- 27. Exterior Brick Mortar (HM #27)
- 28. Roof Shingle Slate (HM #28)

The following collected bulk sample materials **contained asbestos** by Polarized Light Microscopy (PLM) (reference Appendix A for the Asbestos Bulk Sampling Summary followed by the Laboratory Report and Representative Photographs of Suspect Asbestos Containing Materials).

- 1. Floor Tile 12" X 12" Beige with Darker Beige Specks and Associated Mastic/Glue/Adhesive (HM #5)
- 2. Floor Tile 9" X 9" Red and Associated Mastic/Glue/Adhesive (HM #9) Identified as part of a previous survey as asbestos containing.
- 3. Linoleum (HM #11)
- 4. Sink Undercoating Black (HM #20)
- 5. Original Pipe Insulation (HM #25)
- 6. Fire Door and Frames (Assumed Positive)
- 7. Wiring (Assumed Positive)
- 8. Water Proofing Material Black was Negative (HM #21), However this material should be re-sampled and confirmed prior to demolition since sample quantity was limited.
- 9. Cementitious Panel Board in Radiators (Assumed Positive) but not identified during this survey.

b. Building 5 - Lead

Representative paint chip samples were collected from the following locations:

- 1. White Paint on Plaster Ceiling, Room 206-5N (Sample # 5-PC-01)
- 2. White Paint on Wood Baseboard, Kitchen, Room 104-5S (Sample # 5-PC-02)
- 3. Blue Paint on Plaster Wall, Room 203-5N (Sample # 5-PC-03)
- 4. White Paint over Beige Paint on Plaster Ceiling, Room 206-5S (Sample # 5-PC-04)
- 5. Black Paint on Metal Hand Rail, Exterior (Sample # 5-PC-05)

All five (5) representative paint chip samples taken from painted surfaces in Building 5 in areas that will be impacted by the scheduled demolition project had detectable levels of lead via Flame Atomic Absorption Spectrophotometer analysis. Additionally, the following samples had lead concentrations greater than 0.5% by weight:

1. White Paint on Wood Baseboard, Kitchen, Room 104-5S (Sample # 5-PC-02)

The Occupational Safety and Health Administration (OSHA) Construction Industry Standard for Lead (29 CFR 1926.62) does not reference the EPA/HUD definition for LBP (0.5% by weight or 1.0 mg/cm²). If detectable levels of lead are identified in any painted surface, paint disturbance will fall under the OSHA Lead Standard. OSHA 29 CFR 1926.62 requires employers to perform exposure monitoring for employees whose tasks disturb or potentially disturb lead. The data contained in this survey report should be provided to the Contractor, prior to the Contractor submitting bids for maintenance, renovation or demolition work. The Contractor shall assume that all painted surfaces may contain detectable levels of lead for purposes of this project and demonstrate through personal air sampling that airborne lead levels will not exceed 30 micrograms (ug) lead per cubic meter (m³) of air determined as an 8-hour time-weighted average (TWA), for each representative task and trade that disturbs painted surfaces.

Waste generated by disturbance of painted surfaces should be subjected to Toxicity Characteristic Leaching Procedure (TCLP) testing to determine leachable metal concentrations. If leachable concentrations of RCRA metals in construction waste are determined by TCLP testing, those materials should be disposed of in accordance with EPA 40 CFR Part 260 to 271 and applicable State of North Carolina regulations.

Refer to Appendix B for the Paint Chip Sample Summary followed by Laboratory Data and Representative Photographs of Paint Chip Samples.

c. Building 5 – PCBs/Fluorescent Lights/Other Hazardous Materials

The construction date of Building 5 at VA Fayetteville is approximately 1939. All ballasts installed or manufactured prior to 1978, should be assumed to contain PCBs unless specifically labeled as having no PCBs.

All known or assumed PCB ballasts, capacitors or other PCB articles should be handled in accordance with 40 CFR Part 761 Polychlorinated Biphenyls (PCBs) Manufacturing, Processing,

Distribution in Commerce, and Use Prohibitions and State of North Carolina Hazardous Wastes Rules/Regulations.

All batteries, mercury-containing equipment and bulbs should be handled in accordance with 40 CFR Part 273 Standards for Universal Waste Management and State of North Carolina Hazardous Wastes Rules/Regulations.

Refrigerants shall be disposed on in accordance with Section 608 of the Clean Air Act (EPA Refrigerant and Recycling Rule and 40 CFR Part 82 Protection of Stratospheric Ozone) in addition to the State of North Carolina Rules/Regulations.

Fluorescent lights and high intensity discharge bulbs (HID) and other mercury-containing bulbs are regulated under the Resource Conservation and Recovery Act (RCRA) Universal Waste Rule (UWR) and Subtitle C hazardous waste regulations. Accordingly, all bulbs should be disposed of or recycled in accordance with the current policy of the VA Medical Center, Fayetteville, NC.

3. METHODOLOGY

Asbestos Sampling Protocol

The inspector sampled all suspect ACM in accessible areas. In order for a group of homogeneous materials to be considered as non asbestos containing, all samples from that specific homogeneous material must be analyzed and determined to be non asbestos containing or less than or equal to 1% asbestos.

Representative, randomly selected samples were collected from each homogeneous area of suspect asbestos-containing material. For purposes of this report, the homogeneous area is physically defined as all material with the same visual appearance, texture and hardness. Material types followed by NOT APPLICABLE were not identified during this asbestos survey.

The minimum number of samples collected for each homogeneous area (or material) is as follows:

1. Friable Spray-applied or Trowel-applied Material (NOT APPLICABLE)

- a. Less than or equal to 1000 square feet (S.F.) = 3 samples
- b. Greater than 1000 S.F. and less than or equal to 5000 S.F. = 5 samples.
- c. Greater than 5000 S. F. = 7 samples

2. Pipe and Duct Insulation

Three samples per homogeneous area of insulation were taken unless it was a confirmation sample.

3. Elbows, Valves, Fittings and Connection Mud

Three representative samples were taken from each representative type of insulated elbow, valve, fitting and connecting mud unless it was a confirmation sample.

4. Boiler, Tanks and Furnaces (NOT APPLICABLE)

A minimum of 3 samples per unit was collected.

5. Patchwork

Patchwork is defined as a patch or repair to existing material based on the following quantities:

- a. Surfacing material patches are limited to a maximum of 6 S. F.
- b. Pipe and duct insulation patches are limited to a maximum of 6 L. F. or 6 S. F.
- c. Boiler, tanks and furnace patches are limited to 6 S.F. maximum.

If the patchwork exceeded the limits prescribed above, the sampling protocol resorted back to the homogeneous area descriptions in items 1-4. If a material qualifies as patchwork, a single sample was collected per patch.

6. Ceiling or Acoustical Tile

a. Minimum of 3 Samples

7. <u>Miscellaneous Friable Material (INCLUDED DRYWALL & JOINT COMPOUND)</u>

a. 3 Samples

8. Non-friable Material

Non-friable materials for purposes of this survey would include material such as floor tiles and mastic/adhesive, linoleum floor covering, interior/exterior caulks, flooring felt (if still under floor tile), roofing materials, miscellaneous cementitious material such as wall or ceiling panels, caulking or sealant, or window glazing.

a. Minimum of 3 samples

Lead-Based Paint (LBP) Sampling Protocol

Paint chips containing lead concentrations at or above 0.5 percent by weight are considered positive for lead based on EPA and Department of Housing and Urban Development (HUD) guidelines for Target Housing and Child Occupied Facilities.

The inspector collected paint chip samples from representative surfaces and components likely to be impacted by any renovation/demolition project and compared them against the HUD definition for Lead-Based Paint (LBP) of 0.5 % by weight. The laboratory analyzed the collected paint chip samples following the NIOSH Manual of Analytical Methods (NMAM) N7082 (using a Flame Atomic Absorption Spectrophotometer). Individual sample results are presented in tabular form in Appendix B.

The Occupational Safety and Health Administration (OSHA) Construction Industry Standard for Lead (29 CFR 1926.62) does not reference the HUD definition for LBP. If detectable levels of lead are identified in any painted surface, paint disturbance will fall under the OSHA Lead Standard. OSHA 29 CFR 1926.62 requires employers to perform exposure monitoring for employees whose tasks disturb or potentially disturb lead. The data contained in this survey report should be provided to the Contractor, prior to the Contractor submitting bids for maintenance, renovation or demolition work. The Contractor shall assume that all painted surfaces may contain detectable levels of lead for purposes of this project and demonstrate through personal air sampling that airborne lead levels will not exceed 30 micrograms (ug) lead per cubic meter (m³) of air determined as an 8-hour time-weighted average (TWA), for each representative task and trade that disturbs painted surfaces.

Miscellaneous Hazardous Material Identification Protocol

Miscellaneous hazardous material identification was accomplished via a visual inspection of the facility.

4. OBSERVATIONS/CONCLUSIONS

Building 5 - Asbestos

The following collected bulk sample materials **contained asbestos** by Polarized Light Microscopy (PLM) (reference Appendix A for the Asbestos Bulk Sampling Summary followed by the Laboratory Report and Representative Photographs of Suspect Asbestos Containing Materials).

- 1. Floor Tile 12" X 12" Beige with Darker Beige Specks and Associated Mastic/Glue/Adhesive (HM #5)
- 2. Floor Tile 9" X 9" Red and Associated Mastic/Glue/Adhesive (HM #9) Identified as part of a previous survey as asbestos containing.
- 3. Linoleum (HM #11)
- 4. Sink Undercoating Black (HM #20)
- 5. Original Pipe Insulation (HM #25)

- 6. Fire Door and Frames (Assumed Positive)
- 7. Wiring (Assumed Positive)
- 8. Water Proofing Material Black was Negative (HM #21), However this material should be re-sampled and confirmed prior to demolition since sample quantity was limited.
- 9. Cementitious Panel Board in Radiators (Assumed Positive) but not identified during this survey.

Building 5 - Lead

All five (5) representative paint chip samples taken from painted surfaces in Building 5 in areas that will be impacted by the scheduled demolition project had detectable levels of lead via Flame Atomic Absorption Spectrophotometer analysis. Additionally, the following samples had lead concentrations greater than 0.5% by weight:

1. White Paint on Wood Baseboard, Kitchen, Room 104-5S (Sample # 5-PC-02)

The Occupational Safety and Health Administration (OSHA) Construction Industry Standard for Lead (29 CFR 1926.62) does not reference the EPA/HUD definition for LBP (0.5% by weight or 1.0 mg/cm²). If detectable levels of lead are identified in any painted surface, paint disturbance will fall under the OSHA Lead Standard. OSHA 29 CFR 1926.62 requires employers to perform exposure monitoring for employees whose tasks disturb or potentially disturb lead. The data contained in this survey report should be provided to the Contractor, prior to the Contractor submitting bids for maintenance, renovation or demolition work. The Contractor shall assume that all painted surfaces may contain detectable levels of lead for purposes of this project and demonstrate through personal air sampling that airborne lead levels will not exceed 30 micrograms (ug) lead per cubic meter (m³) of air determined as an 8-hour time-weighted average (TWA), for each representative task and trade that disturbs painted surfaces.

Waste generated by disturbance of painted surfaces should be subjected to Toxicity Characteristic Leaching Procedure (TCLP) testing to determine leachable metal concentrations. If leachable concentrations of RCRA metals in construction waste are determined by TCLP testing, those materials should be disposed of in accordance with EPA 40 CFR Part 260 to 271 and applicable State of North Carolina regulations.

Building 5 – PCBs/Fluorescent Lights/Other Hazardous Materials

A summary of the materials/items identified is as follows:

- 1. Mercury Fluorescent Light Bulbs
- 2. PCB Ballasts, Capacitors, Other PCB Articles
- 3. Thermostats
- 4. Emergency Exit Batteries
- 5. Mechanical Equipment in the Mechanical Rooms and on the Exterior of the Building
- 6.Air-Conditioning Refrigerants

The construction date of Building 5 at VA Fayetteville is approximately 1939. All ballasts installed or manufactured prior to 1978, should be assumed to contain PCBs unless specifically labeled as having no PCBs.

All known or assumed PCB ballasts, capacitors or other PCB articles should be handled in accordance with 40 CFR Part 761 Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions and State of North Carolina Hazardous Wastes Rules/Regulations.

All batteries, mercury-containing equipment and bulbs should be handled in accordance with 40 CFR Part 273 Standards for Universal Waste Management and State of North Carolina Hazardous Wastes Rules/Regulations.

Refrigerants shall be disposed on in accordance with Section 608 of the Clean Air Act (EPA Refrigerant and Recycling Rule and 40 CFR Part 82 Protection of Stratospheric Ozone) in addition to the State of North Carolina Rules/Regulations.

Fluorescent lights and high intensity discharge bulbs (HID) and other mercury-containing bulbs are regulated under the Resource Conservation and Recovery Act (RCRA) Universal Waste Rule (UWR) and Subtitle C hazardous waste regulations. Accordingly, all bulbs should be disposed of or recycled in accordance with the current policy of the VA Medical Center, Fayetteville, NC.

5. **RECOMMENDATIONS**

- A. The asbestos containing material survey report should be maintained at the job site during performance of the construction activities. At least ten (10) working days advanced written NESHAPS Notification to Health Hazards Control Unit, NCDHHS-Division of Public Health, 1912 Mail Service Center, Raleigh, NC is required for demolition work on this project.
- B. All regulated asbestos containing materials (RACM) and presumed asbestos containing materials (PACM) shall be removed and disposed of as asbestos waste prior to building demolition.
- C. Communication of this asbestos survey report results should be presented in accordance with the OSHA 29 CFR 1926.1101 Asbestos Standard to all personnel who may enter or perform work in Building 5.
- D. The asbestos and lead survey report should be maintained at the job site during performance of the construction activities.
- E. Disturbance of painted surfaces should be performed in accordance with the OSHA Lead Standard (29 CFR 1926.62). Waste generated by disturbance of painted surfaces should be subjected to Toxicity Characteristic Leaching Procedure (TCLP) testing to determine leachable lead concentrations. If leachable concentrations of lead in construction waste are determined by TCLP testing, those materials should be disposed of in accordance with 40 CFR Part 260 to 271 and State of North Carolina Rules/Regulations.
- F. Fluorescent lights and high intensity discharge bulbs (HID) and other mercury-containing bulbs are regulated under the Resource Conservation and Recovery Act (RCRA) Universal Waste Rule (UWR) and Subtitle C hazardous waste regulations. Accordingly, all bulbs

- should be disposed of, or recycled in accordance with the current policy of the VA Medical Center, Fayetteville, NC.
- G. The design project for the demolition of Building 5 should include provisions to address concealed asbestos containing thermal system insulation (TSI) and all wiring.
- H. Refrigerants, if present, shall be disposed on in accordance with Section 608 of the Clean Air Act (EPA Refrigerant and Recycling Rule and 40 CFR Part 82 Protection of Stratospheric Ozone) in addition to the State of North Carolina Rules/Regulations.

6. REFERENCES

- Guidance for Controlling Asbestos-Containing Materials in Buildings" (Purple Book). EPA 560/5-85-024. Office of Pesticides and Toxic Substances Washington, DC 20460.
- 2. 40 CFR, Part 763, Asbestos Hazard Emergency Response Act
- 3. 40 CFR, Part 763, Asbestos School Hazard Abatement Reauthorization Act
- 4. 40 CFR, Part 61, Subpart M Asbestos
- 5. 29 CFR Part 1926.1101 Asbestos
- 6. 29 CFR Part 1926.62 Lead
- 7. HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing
- 8. 40 CFR Part 260 General Hazardous Waste Management.
- 9. 40 CFR Part 261 Identification and Listing of Hazardous Waste.
- 10. 40 CFR Part 262 Standards Applicable to Generators of Hazardous Waste.
- 11. 40 CFR Part 263 Standards Applicable to Transporters of Hazardous Waste.
- 12. 40 CFR Part 268 Land Disposal Restrictions.
- 13. 40 CFR Part 761 Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions.
- 14. 40 CFR Part 273 Standards for Universal Waste Management
- 15. Section 608 of the Clean Air Act (EPA Refrigerant and Recycling Rule and 40 CFR Part 82 Protection of Stratospheric Ozone) in addition to the State of North Carolina Rules/Regulations.

If you have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

Durbin Environmental Consultants, Inc.

Sellers C. Carmack

Sellers C. Carmack (NC asbestos accredited inspector, Accreditation Number 11864, expiration Date (9/30/2015))

Vice President

Michael F. Durbin, CIH

Michael F. Durbin, CIH (NC asbestos accredited project designer, Accreditation Number 40188, expiration Date (9/30/2015))

President

APPENDIX A

Asbestos Bulk Sampling Summary Followed By the Laboratory Data and Representative Photographs of Suspect Asbestos Containing Materials

Sample Number	Description	Asbestos Present	Friable	Non- Asbestos Material Present	Sample Location	НМ
5-CT1-01	Ceiling Tile - 12" X 12" Fissured Pinhole with Glue Dots	NAD	N/A	See Lab Report	2 nd Floor, Room 206-5N	
5-CT1-02	Ceiling Tile - 12" X 12" Fissured Pinhole with Glue Dots	NAD	N/A	See Lab Report	2 nd Floor, Room 206-5S	1
5-CT1-03	Ceiling Tile - 12" X 12" Fissured Pinhole with Glue Dots	NAD	N/A See Lab Report		2 nd Floor, Room 206-5S	
5-CT2-01	Ceiling Tile – 2' X 2' Small Fissures and Pinholes	NAD	N/A	See Lab Report	2 nd Floor, Room 206-5N	
5-CT2-02	Ceiling Tile – 2' X 2' Small Fissures and Pinholes	NAD	N/A	See Lab Report	Basement – Room 001B	2
5-CT2-03	Ceiling Tile – 2' X 2' Small Fissures and Pinholes	NAD	N/A	See Lab Report	Basement – Copy Room	
5-CT3-01	Ceiling Tile – 12" X 12" Deep Fissured with Glue Dots	NAD	N/A	See Lab Report	2 nd Floor, Room 206-5S	
5-CT3-02	Ceiling Tile – 12" X 12" Deep Fissured with Glue Dots	NAD	N/A	See Lab Report	2 nd Floor, Room 206-5S	3
5-CT3-03	Ceiling Tile – 12" X 12" Deep Fissured with Glue Dots	NAD	N/A	See Lab Report	2 nd Floor, Room 206-5S	

Sample Number	Description	Asbestos Present	Friable	Non- Asbestos Material Present	Sample Location	HM
5-CT4-01	Ceiling Tile – 2' X 2' Long Fissures and Pinholes	NAD	N/A	See Lab Report	Basement, Room 001B	
5-CT4-02	5-CT4-02 Ceiling Tile – 2' X 2' Long Fissures and Pinholes		N/A	See Lab Report	Basement, Room 003B	4
5-CT4-03	Ceiling Tile – 2' X 2' Long Fissures and Pinholes	NAD	N/A	See Lab Report	Basement, Copy Room	
5-FT1-01	Floor Tile – 12" X 12" Beige with Darker Beige Specks and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	1 st Floor, Kitchen, Room 104-5S	
5-FT1-02	Floor Tile – 12" X 12" Beige with Darker Beige Specks and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	1 st Floor, Kitchen, Room 104-5N	5
5-FT1-03	Floor Tile – 12" X 12" Beige with Darker Beige Specks and Associated Mastic/Glue/Adhesive	NAD (Floor Tile); 3% Chrysotile (Black Mastic)	No	See Lab Report	1 st Floor, Restroom, Room 103-5N	
5-FT2-01	Floor Tile – 12" X 12" Blue and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	1 st Floor North, Stair Landing to Basement	
5-FT2-02	5-FT2-02 Floor Tile – 12" X 12" Blue and Associated Mastic/Glue/Adhesive NAD N/A		N/A	See Lab Report	1 st Floor North, Stair Landing to Basement	6
5-FT2-03	Floor Tile – 12" X 12" Blue and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	1 st Floor North, Stair Landing to Basement	
5-FT3-01	Floor Tile – 12" X 12" Light Beige and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	1 st Floor, Kitchen, Room 104-5N	7

Sample Number	Description	Asbestos Present	Friable	Non- Asbestos Material Present	Sample Location	HM
5-FT3-02	Floor Tile – 12" X 12" Light Beige and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	1 st Floor, Kitchen, Room 104-5N	
5-FT3-03	Floor Tile – 12" X 12" Light Beige and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	1 st Floor, Kitchen, Room 104-5N	7
5-FT4-01	Floor Tile – 12" X 12" White with Grey Specks and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	Basement, Office, Room 001	
5-FT4-02	5-FT4-02 Floor Tile – 12" X 12" White with Grey Specks and Associated Mastic/Glue/Adhesive		N/A	See Lab Report	Basement, Staff Toilet, Room 003	8
5-FT4-03	Floor Tile – 12" X 12" White with Grey Specks and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	Basement, Stair Landing to Office, Copy Room, Plan Room	
5-FT5	Floor Tile – 9" X 9" Red and Associated Mastic/Glue/Adhesive	Identified as Asbestos Containing from Previous Survey Data	No	N/A	Basement, Restroom 003A	9
5-FT6-01	Grey Stair Tread	Sample not in Sample Container	N/A	See Lab Report	South Stair Tread, Down to Basement	
5-FT6-02	5-FT6-02 Grey Stair Tread		N/A	See Lab Report	South Stair Tread, Down to Basement	10
5-FT6-03			N/A	See Lab Report	North Stair Tread, Down to Basement	
5-LC-01	Linoleum	NAD (Vinyl); 50% Chrysotile (Backing)	No (as long as vinyl covering remains intact)	See Lab Report	1 st Floor, Kitchen, Room 104-5N, Used as Cabinet Mat Under Sink	11

Sample Number	Description	Asbestos Present	Friable	Non- Asbestos Material Present	Sample Location	НМ
5-LC-02	Linoleum	NAD (Vinyl); 50% Chrysotile (Backing)	No (as long as vinyl covering remains intact)	See Lab Report	1 st Floor, Kitchen, Room 104-5N, Used as Cabinet Mat Under Sink	
5-LC-03	Linoleum	NAD (Vinyl); 50% Chrysotile (Backing)	No (as long as vinyl covering remains intact)	See Lab Report	1 st Floor, Kitchen, Room 104-5N, Used as Cabinet Mat Under Sink	11
5-CA1-01	Carpet Adhesive - Green	NAD	N/A	See Lab Report	Basement, Room 001B	
5-CA1-02	Carpet Adhesive - Green	NAD	N/A See Lab Report		Basement, Room 001A	12
5-CA1-03	Carpet Adhesive - Green	NAD	N/A	See Lab Report	Basement, Room 001B	
5-CA2-01	Carpet Adhesive - Brown	NAD	N/A	See Lab Report	Basement, Office Copy Room/Plan Room	
5-CA2-02	Carpet Adhesive - Brown	NAD	N/A	See Lab Report	Basement, Office Room 002	13
5-CA2-03	Carpet Adhesive - Brown	NAD	N/A	See Lab Report	Basement, Office Copy Room/Plan Room	
5-CB1-01	Dark Brown Covebase and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	Basement, Office Copy Room/Plan Room	
5-CB1-02	Dark Brown Covebase and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	Basement, Staff Toilet, Room 003	14

Sample Number	Description	Asbestos Present	Friable	Non- Asbestos Material Present	Sample Location	НМ
5-CB1-03	Dark Brown Covebase and Associated Mastic/Glue/Adhesive	NAD	N/A	See Lab Report	Basement, Office, Room 002	14
5-DWJC-01	Drywall and Joint Compound	NAD	N/A	See Lab Report	2 nd Floor, Room 203-5N	
5-DWJC-02	Drywall and Joint Compound	NAD	N/A	See Lab Report	1 st Floor, Room 101-5N	
5-DWJC-03	Drywall and Joint Compound	NAD	N/A	See Lab Report	1 st Floor, Room 101-5S	15
5-DWJC-04	Drywall and Joint Compound	NAD	N/A	See Lab Report	Basement, Copy Room/Plan Room	
5-DWJC-05	Drywall and Joint Compound	NAD	N/A	See Lab Report	Basement, Room 001B	
5-P-01	Plaster Material	NAD	N/A	See Lab Report	1 st Floor, Kitchen, Room 104-5S	
5-P-02	Plaster Material	NAD	N/A	See Lab Report	1 st Floor, Room 103-5S	
5-P-03	Plaster Material	NAD	N/A	See Lab Report	2 nd Floor, Room 202-5S	16
5-P-04	Plaster Material	NAD	N/A	See Lab Report	1 st Floor, Room 104-5N	

Sample Number	Description	Asbestos Present	Friable	Non- Asbestos Material Present	Sample Location	HM
5-P-05	Plaster Material	NAD	N/A	See Lab Report	Basement, Restroom, Room 003-A	16
5-WC-01	Window Caulk	NAD	N/A	See Lab Report	1 st Floor, Kitchen 104-5S	
5-WC-02	Window Caulk	NAD	N/A	See Lab Report	Basement, Staff Restroom, Room 003-A	17
5-WC-03	Window Caulk	Window Caulk NAD N/A See Lab Report				
5-C1-01	Penetration Caulk	NAD	N/A	See Lab Report	Basement, Restroom 003-A	
5-C1-02	Penetration Caulk	NAD	N/A	See Lab Report	Basement, Restroom 003	18
5-C1-03	Penetration Caulk	NAD	N/A	See Lab Report	Basement, Restroom 003	
5-EWC-01	Exterior Window Caulk/Sealant – Silicone-type	NAD	N/A	See Lab Report	Exterior of Building	
5-EWC-02	Exterior Window Caulk/Sealant – Silicone-type	NAD	N/A See Lab Report		Exterior of Building	19
5-EWC-03	Exterior Window Caulk/Sealant – Silicone-type	NAD	N/A	See Lab Report	Exterior of Building	

Sample Number	Description	Asbestos Present	Friable	Non- Asbestos Material Present	Sample Location	НМ
5-SC-01	Sink Undercoating - Black	10% Chrysotile	No	See Lab Report	1 st Floor, Kitchen, Room 104-5S	
5-SC-02	5-SC-02 Sink Undercoating - Black		No	See Lab Report	1 st Floor, Kitchen, Room 104-5S	20
5-SC-03 Sink Undercoating - Black		10% Chrysotile	No	See Lab Report	1 st Floor, Kitchen, Room 104-5N	
5-WPM-01	Water Proofing Material - Black	NAD	N/A	See Lab Report	1 st Floor, Kitchen, Room 104-5S, Inside of Exterior Wall	
5-WPM-02	Water Proofing Material - Black	NAD	N/A	See Lab Report	1 st Floor, Kitchen, Room 104-5S, Inside of Exterior Wall	21
5-CER-01	Ceramic Tile and Grout	NAD	N/A	See Lab Report	1 st Floor, Room 101-5N	
5-CER-02	Ceramic Tile and Grout	NAD	N/A	See Lab Report	2 nd Floor, Restroom 205- 5N	22
5-CER-03	Ceramic Tile and Grout	NAD	N/A	See Lab Report	2 nd Floor, Restroom 205- 5S	
5-AI-01	Attic Insulation – Blown-in Type	NAD	N/A	See Lab Report	Attic	
5-AI-02	Attic Insulation – Blown-in Type	NAD	N/A	See Lab Report	Attic	23

Sample Number	Description	Asbestos Present	Friable	Non- Asbestos Material Present	Sample Location	НМ
5-AI-03	Attic Insulation – Blown-in Type	NAD	N/A	See Lab Report	Attic	23
5-DI1-01	Foil Duct Insulation with Fiberglass	NAD	N/A	See Lab Report	Attic	
5-DI1-02	Foil Duct Insulation with Fiberglass	NAD	N/A	See Lab Report	Attic	24
5-DI1-03	Foil Duct Insulation with Fiberglass	NAD	N/A	See Lab Report	Attic	
5-PI1-01	Original Pipe Insulation	25% Chrysotile	Yes	See Lab Report	1 st Floor, Kitchen, Room 104-5S, Mag- type	
5-PI1-02	Original Pipe Insulation	5% Chrysotile	Yes	See Lab Report	1 st Floor, Kitchen, Room 104-5N, Air Cell-type	25
5-PI1-03	5-PI1-03 Original Pipe Insulation		Yes	See Lab Report	1 st Floor, Kitchen, Room 104-5N, Air Cell-type	
5-DT1-01	Duct Tape - White	NAD	N/A	See Lab Report	2 nd Floor, Room 203A-5N, On Exposed Metal Duct	
5-DT1-02	1-02 Duct Tape - White NAD N/A See Lab Report			2 nd Floor, Room 203A-5S, On Exposed Metal Duct	26	
5-DT1-03	Duct Tape - White	NAD	N/A	See Lab Report	1 st Floor, Room 104A-5N, On Exposed Metal Duct	

Sample Number	Description	Asbestos Present	Friable	Non- Asbestos Material Present	Sample Location	НМ
5-EBM-01	Exterior Brick Mortar	NAD	N/A	See Lab Report	Exterior of Building	
5-EBM-02	Exterior Brick Mortar	NAD	N/A	See Lab Report	Exterior of Building	27
5-EBM-03	Exterior Brick Mortar	NAD	N/A	See Lab Report	Exterior of Building	
5-SS-01	Roof Shingle - Slate	NAD	N/A	See Lab Report	Exterior of Building	
5-SS-02	Roof Shingle - Slate	NAD	N/A	See Lab Report	Exterior of Building	28
5-SS-03	Roof Shingle - Slate	NAD	N/A	See Lab Report	Exterior of Building	
N/A	Original TSI Concealed in Chases, Walls, Floor and Ceilings	Assumed Positive	Yes	N/A	Where Present	N/A
N/A	Exterior Water Proofing (See HM # 21)	Assumed Positive	No	N/A	Where Present	N/A
N/A	Fire Doors/Frames	Assumed Positive	Yes	N/A	Where Present	N/A
N/A	Wiring	Assumed Positive	No	N/A	Where Present	N/A

NAD – No Asbestos Detected; N/A – Not Applicable

Page 1 of 135

Durbin Environmental Consultants, Inc. Georgetowne Square 3461 Lawrenceville-Suwanee Road, Suite A Suwanee, Georgia 30024 Voice (678) 482-9917 Fax (678) 482-7510

1410IO9

SAMPLE CHAIN OF CUSTODY										
Projec	nt Number: 14/0,	002		Bull	V As	بمرروط	1			
Date:	10/18/2014			Ai	ir:					
No	Sample ID	NO	Sample ID	No	Sample ID	NO	Sample ID			
1.	5-CT1-01	26.	5-FT6-02	51.	5-WC-02	76.	5-DT1-01			
2.	5-CT1-02	27.	5-F76-03	52.	5-WC-03	77.	5-DT1-02			
3.	5-CT1-03	28.	5-LC-01	53.	5-01-01	78.	5-DT1-03			
4.	5-CTZ-01	29.	5-LC-0Z	54.	5-01-02	79.	5-EBM-01			
5.	5-CTZ-0Z	30.	5-60-03	55.	5-61-03	80.	5-EBM-02			
6.	5-CTZ-03	31.	5-CA1-01	56.	5-EWC-01	81.	S-EBM-03			
7.	5-CT3-0/	32.	5-CA1-02	57.	5-EWC-02	82.	5-55-01			
8.	5-CT3-0Z	33.	5-CA1-03	58.	5-EWC-03	83.	50-22-5			
9.	5-cT3-03	34.	5-CAZ-01	59.	5-SC-01	84.	5-55-03			
10.	5-CT4-01	35.	5-CAZ-0Z	60.	5-SC-0Z	85.				
11.	5-CT4-02	36.	5-CA2-03	61.	5-SC-03	86.				
12.	S-CT4-03	37.	5-081-01	62.	5-WPM-01	87.				
13.	5-FT1-01	38.	5-CB1-02	63.	5-WPM-0Z	88.				
14.	5-FT1-0Z	39.	5-CB1-03	64.	5- CER-01	89.				
15.	5-FT1-03	40.	5-DWJC-01	65.	5-652-02	90.				
16.	5-FTZ-01	41.	5-DWJC-02	66.	5-CER-03	91.				
17.	5-FT2-02	42.	5-DWJC-03	67.	5-AI-01	92.				
18.	5-FT2-03	43.	5-DUJC-04	68.	5-AI-02	93.				
19.	5-FT3-01	44.	S-DWJC-OS	69.	S-AI-03	94.				
20.	5- FT3-02	45.	5-10-01	70.	5-DII-0/	95.				
21.	5-FT3-03	46.	5-P-02	71.	5-DI1-0Z	96.				
22.	5-FT4-01	47.	5-1-03	72.	5-DI1-03	97.				
23.	5-FT4-02	48.	5-P-04	73.	5-PI1-01	98.				
24.	5-FT4-03	49.	5-1-05	74.	S- PI1-02	99.				
25.	5-FTG-01	50.	5-WC-01	75.	5-PI1-03	100.				
Reques	ted Turn-Around Time	21	1. Hour TAT	(A)	16+/bs By Pe	(m))			
	ents: Send Ren		٠ : 							
M	tu Durbin				bin environme					
Se	des Curmul		Scarmuck	e d	ursinenviron	ehl.	Com			
Relinquished By: Mull I all Received By: Mark Jessef Company: Owlin Environment Company: AES Company: Company: AES										
Compa										
Date:	/0	110/	2012	Date:	10/18/2	2014	11:15			

21-Oct-14

Analytical Environmental Services, Inc

Client: Durbin Environmental Consultants, Inc.

Project: Lab ID: 1410I09 Case Narrative

Date:

Sample bag "5-FT6-01" did not contained any material. Client will not be charged for this sample.





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109
Project Name: Project Number: 1410.002

Client ID	AES ID	Location	Asbestos Mineral Percentage				ge	Comments	
Circuit 1D	711.011	Document	СП	AM	CR	AN		AC	Comments
5-CT1-01	1410T09- 001A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-CT1-02	1410I09- 002A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-CT1-03	1410T09- 003A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-CT1-03	1410I09- 003A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-CT2-01	1410I09- 004A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-CT2-02	1410109- 005A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analyses, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/64-82-020), 1982 as found in 40 CPR, Part 763, Appendix B to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/800/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410I09

Project Name: Project Number: 1410.002

Client ID	AES ID	ge	Comments						
C.HEIIC 117	AE.S III	Location	СН		CR			AC	Comments
5-C12-03	1410T09- 006A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1	1410100		ND	ND	ND	ND	ND	ND	Paint included as binder
5-CT3-01	1410I09- 007A		ND	ND	ND	ND	ND	ZD.	rama manueu as omore
Layer: 1 5-CT3-02	1410I09- 008A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-CT3-03	1410I09- 009A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-CT4-01	1410 T 09- 010A		ND	ND	ND	ND	ND	ND	Psent mehaled as bender
Layer: 1									
5-CT4-02	1410T09- 011A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									

Note: CH-chrysotile, AM-amoste, CR-crondolite, AC-actmolite, TR-tremolite, AN-anthophylite

For comments on the samples, see the individual analysis sheets.

Elena Ivanova

ND = None Detected

AES.Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "fasterim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Bushking Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.
PLM to not connectently reliable in detecting small concentrations of ashestor in floor tiles and similar nonfinable materials, quantitative TEM is connectly
the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410I09
Project Name: Project Number: 1410.002

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
Circurato		Location	СН	\mathbf{AM}	CR	AN	TR	AC	Comments
5-CT4-03	1410I09- 012A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-FT1-01	1410T09- 013A		ND	ND	ND	ND	ND	ND	Floor Tile
Layer:									
5-FT1-02	1410I09- 014A		ND	ND	ND	ND	ND	ND	Floor Tile with glue
Layer: 1									
5-FT1-03	1410I09- 015A		ND	ND	ND	ND	ND	ND	Floor Tile with glue
Layer: 1									
5-FT1-03	1410I09- 015A		3	ND	ND	ND	ND	ND	Black Mastic
Layer: 2									
5-FT2-01	1410I09- 016A		ND	ND	ND	ND	ND	ND	Floor Tile with glue
Layer: 1									

Note: CH-chrysothle, AM-amoste, CR-croexishte, AC-setmolite, TR-tremolite, AN-sethophylite For comments on the samples, see the individual analysis sheets.

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code, 102082-0. All analysis performed in accordance with EPA "Interim Method for the Determination of Ashestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently rehable in detecting small concentrations of subestors in floor tiles and similar numfroable materials, quantitative: TEM is currently the only method that can be used to determine conclusive authorities content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410I09

Project Name: Project Number: 1410.002

Client ID	AES ID	Location	A	sbesto	s Mine	ral Pe	rcenta	ge	Comments
			CH	AM	CR	AN	TR	AC	
5-FT2-02	1410I09- 017A		ND	ND	ND	ND	ND	ND	Floor Tile with glue
Layer: 1									
5-FT2-03	1410I09- 018A		ND	ND	ND	ND	ND	ND	Floor Tile with glue
Layer: 1									
5-FT3-01	1410I09- 019A		ND	ND	ND	ND	ND	ND	Floor Tile with glue
Layer: 1									
5-FT3-02	1410I09- 020A		ND	ND	ND	ND	ND	ND	Floor Tile with glue
Layer: 1									
5-FT3-03	1410I09- 021A		ND	ND	ND	ND	ND	ND	Floor Tile with glue
Layer: 1									
5-FT4-01	1410I09- 022A		ND	ND	ND	ND	ND	ND	Ploor Tile with glue
Layer: 1									

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets

Elena Ivanova

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 se found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume:

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently
the only method that can be used to determine carelogive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



galvn

Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109
Project Name: Project Number: 1410.002

Client ID	AES ID	Location		sbesto	_			Comments	
	J		СН	AM	CR	AN	TR	AC	
5-FT4-02	1410I09-		ND	ND	ND	ND	ND	ND	Floor Tile with glue
	023A								
Layer: 1									
5-FT4-03	1410 I 09-		ND	ND	ND	ND	ND	ND	Floor Tile with glue
5-114-03	024A								
Layer: 1									
	1410109-		ND	ND	ND	ND	ND	ND	Vinyl with gine
5-FT6-02	026A								
Layer: 1			ND	ND	ND	ND	ND	ND	Vinyl with glue
5-FT6-03	1410I09- 027A		ND	ND	ND	ND	ND	ND	vinyi with gine
	02774								
Layer: 1									
5-LC-01	1410I09-		ND	ND	ND	ND	ND	ND	Vinyl
	028A								
Layer: 1									
5-LC-01	1410109-		50	ND	ND	ND	ND	ND	Backing
	028A								
Layer: 2									

Note: CH=chrysotile, AM=amoste, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite For comments on the samples, see the individual analysis sheets.

Elena Ivanova

ND - None Detected

ABS.Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: Project Number: 1410,002

Client ID	Client ID AES ID Location Asbestos Mineral Percentage								Comments
Chent ID	AESID	Location	СП			AN			
5-LC-02	1410109- 029A		ND	ND	ND	ND	ND	ND	Vinyl
Layer: 1 5-LC-02	1410109- 029A		50	ND	ND	ND	ND	ND	Backing
Layer: 2 5-LC-03	1410I09- 030A		ND	ND	ND	ND	ND	ND	Vinyl
Layer: 1 5-LC-03	1410I09- 030A		50	ND	ND	ND	ND	ND	Backing
Layer: 2 5-CA1-01	1410I09- 031A		ND	ND	ND	ND	ND	ND	
Layer: 1 5-CA1-02	1410I09-		ND	ND	ND	ND	ND	ND	
Layer: 1	032A								

Note: CH-chrysotile, AM-amosite, CR-crocidolite, AC-actinolite, TR-tremolite, AN-anthophylite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

AES, Inc. as accredited by NIST's National Voluntary Laboratory Amendation Program (NVLAP) for Pulmored Light Microscopy (PLM) analyses, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CPR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.
PLM is not consistently adiable in detecting small concentrations of ashestes in floor tiles and simple nonfriable materials, quentitative TEM is concently the only method that can be used to determine conclusive ashestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:





Lab Code 102082-

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: Project Number: 1410,002

Client ID	AES ID	Location	A	sbesto	Mine	ral Pe	rcenta	ge	Comments
			СН	AM				AC	
5-CA1-03	1410I09- 033A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-CA2-01	1410I09- 034A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-CA2-02	1410I09- 035A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-CA2-03	1410I09- 036A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-CB1-01	1410I09- 037A		ND	ND	ND	ND	ND	ND	Vinyl
Layer: 1									
5-CB1-01	1410I09- 037A		ND	ND	ND	ND	ND	ND	Gine
Layer: 2									

Note: CH-chrysotile, AM-amosite, CR-crocidolite, AC-actinolite, TR-tremolite, AN-anthophylite

For comments on the samples, see the individual analysis sheets.

Elena Ivanova

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analyses, Lab Code: 102082-0. All analyses performed in accordance with EPA "Interim Method fin the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to these samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume: PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive subestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina Page 9 of 135





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410I09
Project Name: Project Number: 1410.002

Client ID	AES ID	Location	A	sbesto	Mine	ral Per	rcenta	ge	Comments
Circle 1D	ALC ID	Location	CH	ΛM	CR				Comments
5-CB1-02	1410T09- 038A		ND	ND	ND	ND	ND	ND	Vinyl
Layer: 1									
5-CB1-02	1410T09- 038A		ND	ND	ND	ND	ND	ND	Glue
Layer: 2									
5-CB1-03	1410I09- 039A		ND	ND	ND	ND	ND	ND	Vmyl
Layer: 1									
5-CB1-03	1410109- 039A		ND	ND	ND	ND	ND	ND	Glue
Layer: 2									
5-DWJC-01	1410I09- 040A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-DWJC-01	1410I09- 040A		ND	ND	ND	ND	ND	ND	
Layer: 2									

Note: CR=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite For comments on the samples, see the individual analysis sheets.

ND - None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600%4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Sulport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are seported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410T09
Project Name: Project Number: 1410.002

Client ID AES ID Location Asbestos Mineral Percentage									Comments
Calcate 1D	ALS ID	Location	СН		CR				
5-DWJC-01	1410109- 040A		ND	ND	ND	ND	ND	ND	
Layer: 3									
5-DWJC-02	1410I09- 041A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-DWJC-02	1410109- 041A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-DWJC-03	1410I09- 042A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-DWJC-03	1410I09- 042A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-DWJC-03	1410I09- 042A		ND	ND	ND	ND	ND	ND	
Layer: 3									

Note: CH-chrysotile, AM-amoute, CR-croendolite, AC-actmolite, TR-tremolite, AN-anthophylite For comments on the samples, see the individual analysis sheets.

ND = None Detected

AES, Juc. is, accredited by NIST's Natural Voluntary Laboratory Americation Program (NVLAP) for Potenzid Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 000/M4 82 020), 1982 as found in 40 CFR, Part 763, Appendix B to Subpart B and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109
Project Name: Project Number: 1410.002

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
Circuit ID	ALSID	Location		AM	$\overline{}$	AN	TR		Comments
5-DWJC-04	1410T09- 043A		ND	ND	ND	NID	ND	ND	Psent included as binder
Layer: 1									
5-DWJC-04	1410I09- 043A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-DWJC-04	1410I09- 043A		ND	ND	ND	ND	ND	ND	
Layer: 3									
5-DWJC-05	1410I09- 044A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-DWIC-05	1410I09- 044A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-DWJC-05	1410109- 044A		ND	NID	ND	NID	ND	ND	
Layer: 3									

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite For comments on the samples, see the individual analysis sheets.

ND = None Detected

AES, Inc. is accordated by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/64-82-020), 1982 as found in 40 CPR, Part 763, Appendix II to Subpart II and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



Malvá

Lab Code 102082

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410I09
Project Name: Project Number: 1410.002

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
				\mathbf{AM}					
5-P-01	1410I09- 045A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-P-01	1410I09- 045A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-P-02	1410I09- 046A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-P-02	1410I09- 046A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-P-03	1410I09- 047A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-P-03	1410I09- 047A		ND	ND	ND	ND	ND	ND	
Layer: 2									

Note: CH-chrysotile, AM-amostic, CR-caucidobic, AC-actinobic, TR-tremobic, AN-anthophybic

For comments on the samples, see the individual analysis sheets.

Elena Ivanova

ND = None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Sulpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/000/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109
Project Name: Project Number: 1410.002

Client ID	Client ID AES ID Location Asbestos Mineral Percentage								Comments
Chem ID	ALSID	Location	СН	$\overline{}$	CR	$\overline{}$		AC	
5-P-04	1410T09- 048A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-P-05	1410I09- 049A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-P-05	1410T09- 049A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-WC-01	1410I09- 050A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-WC-02	1410109- 051A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									
5-WC-03	1410I09- 052A		ND	ND	ND	ND	ND	ND	Paint included as binder
Layer: 1									

Note: CII-chrysotile, AM-amosite, CR-crocidolite, AC-actinolite, TR-tremolite, AN-anthophylite For comments on the samples, see the individual analysis sheets.

Elena Ivanova

ND = None Detected

ALS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Paet 763, Apparedix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

Those test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently rehable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos centent.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109
Project Name: Project Number: 1410,002

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
Chem ID	ALSID	Location	СН	AM	CR	AN	TR	AC	Comments
			=	=	=	=	_	=	
5-C1-01	1410109-		ND	ND	ND	ND	ND	ND	
	053A								
Layer: 1			<u> </u>						
5-C1-01	1410109-		ND	ND	ND	ND	ND	ND	
	053A								
Layer: 2									
5-C1-02	1410T09-		ND	ND	ND	ND	ND	ND	
3-01-02	054A								
Layer: 1									
£ C1 00	1410I09-		ND	ND	ND	ND	ND	ND	
5-C1-02	054A								
Layer: 2									
	1410109-		ND	ND	ND	ND	ND	ND	
5-C1-03	055A								
Layer: 1									
	1410I09-		ND	ND	ND	ND	ND	ND	
5-C1-03	055A								
Layer: 2									

Note: CH-chrysotile, AM-amosite, CR-crocidolite, AC-actinolite, TR-tremolite, AN-amhophylite For comments on the samples, see the individual analysis sheets.

ND = None Detected

AES, Inc. is according by NIST's National Voluntory Laboratory Accordination Program (NVLAP) for Poberard Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/641-82-020), 1982 as found in 40 CFR, Part 763, Appendix II to Subpart II and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/800/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently rehable in deterring small concentrations of solutions in floor files and similar nonfixible materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410I09
Project Name: Project Number: 1410.002

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments	
			CH	AM	CR	AN	TR	AC		
5-EWC-01	1410I09- 056A		ND	ND	ND	ND	ND	ND		
Layer: 1										
5-EWC-02	1410I09- 057A		ND	ND	ND	ND	ND	ND		
Layer: 1										
5-EWC-03	1410I09- 058A		ND	ND	ND	ND	ND	ND		
Layer: 1										
5-SC-01	1410I09- 059A		10	ND	ND	ND	ND	ND	Psent meladed as bender	
Layer: 1										
5-SC-02	1410I09- 060A		10	ND	ND	ND	ND	ND	Paint included as binder	
Layer: 1										
5-SC-03	1410I09- 061A		10	ND	ND	ND	ND	ND	Paint included as binder	
Layer: 1										

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite

For comments on the samples, see the individual analysis sheets

Elena Ivanova

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method fin the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine carellosive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 16 of 135





Lab Code 102082

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410I09
Project Name: Project Number: 1410.002

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
				\mathbf{AM}					
5-WPM-01	1410I09- 062A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-WPM-02	1410I09- 063A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-CER-01	1410I09- 064A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-CER-01	1410T09- 064A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-CER-02	1410I09- 065A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-CER-02	1410I09- 065A		ND	ND	ND	ND	ND	ND	
Layer: 2			1						

Note: CH-chrysotile, AM-smosite, CR-crocidalite, AC-actinolite, TR-tremolite, AN-anthophylite

For comments on the samples, see the individual analysis sheets.

Elena Ivanova

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 17 of 135





Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AFS Job Number: 1410109
Project Name: Project Number: 1410,002

Client ID	Client ID AES ID Location Asbestos Mineral Percentage							ae.	Comments
Chemin	ALSTO	Location	СН		$\overline{}$	$\overline{}$	TR		Comments
5-CER-03	1410I09- 066A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-CER-03	1410I09- 066A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-AI-01	1410I09- 067A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-AI-02	1410I09- 068A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-AI-03	1410I09- 069A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-DT1-01	1410I09- 070A		ND	ND	ND	ND	ND	ND	
Layer: 1									

 $Note: \ CH-chrysotile, AM-amosite, CR-crocidolite, AC-actinolite, TR-tremolite, AN-anthophylite, CR-crocidolite, CR-crocidol$

For comments on the samples, see the individual analysis sheets.

ND = None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 6007M4-82-070), 1982, as found in 40 CFR. Part 763, Appendix E to Subpart E and "Method fin the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

Those test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfrisble materials, quantitative TEM is currently
the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



ran(vð

Lab Code 102082-0

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: Project Number: 1410.002

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
Chelle ID		Location			CR				
5-D11-01	1410T09- 070A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-DI1-02	1410I09- 071A		ND	ND	ND	ND	ND	ND	
Layer: 1	1410709-		ND	ND	ND	ND	ND	ND	
5-DI1-02	071A		ND	ND	ND.	ND	ND.	ND	
Layer: 2									
5-DI1-03	1410I09- 072A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-D11-03	1410I09- 072A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-PI1-01	1410109- 073A		25	ND	ND	ND	ND	ND	Psent meluded as bender
Layer: 1									

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite For comments on the samples, see the individual analysis sheets.

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

1410.002



Client Name:

Project Name:

ANALYTICAL ENVIRONMENTAL SERVICES, INC. Bulk Sample Summary Report



Lab Code 102082-0

21-Oct-14

Durbin Environmental Consultants, Inc. AES Job Number: 1410I09

Project Number:

Client ID	AES ID	Location	Α	sbesto	Mine	Comments			
	_		\mathbf{CH}	$\mathbf{A}\mathbf{M}$	$\mathbf{C}\mathbf{R}$	AN	TR	AC	
PI1=02	1410I09- 074A		5	ND	ND	ND	ND	ND	
ayer: 1									
-PI1-02	1410I09- 074A		ND	ND	ND	ND	ND	ND	
Layer: 2									
5-P11-03	1410I09- 075A		5	ND	ND	ND	ND	ND	
Layer: 1									
-DT1-01	1410ĭ09- 076A		ND	ND	ND	ND	ND	ND	
Layer: 1									
-DT1-02	1410I09- 077A		ND	ND	ND	ND	ND	ND	
Layer: 1									
-DT1-03	1410I09- 078A		ND	ND	ND	ND	ND	ND	
Layer: 1									

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite For comments on the samples, see the individual analysis sheets.

Elena Ivanova

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polonzed Light Microscopy (PLM) snalysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/544-82-020), 1982 as found in 40 CFR, Part 763, Appendix B to Subpart B and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



na(vð

21-Oct-14

Lab Code 102082-0

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410T09

Project Name: Project Number: 1410,002

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			\mathbf{CH}	ΛM	CR	ΛN	TR	$\boldsymbol{\Lambda}\mathbf{C}$	
5-EBM-01	1410I09- 079A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-EBM-02	1410I09- 080A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-EBM-03	1410109- 081A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-SS-01	1410I09- 082A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-SS-02	1410I09- 083A		ND	ND	ND	ND	ND	ND	
Layer: 1									
5-SS-03	1410I09- 084A		ND	ND	ND	ND	ND	ND	
Layer: 1									

Note: CH-chrysotile, AM-amostic, CR-concilobte, AC-actmobite, TR-tremobite, AN-anthophylite For comments on the samples, see the individual analysis sheets.

ND = None Detected

AES, Inc. is accredited by NEST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Busking Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 21 of 135



AES Job Number:

3000 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Durbin Environmental Consultants, Inc. Client Name:

AES Job Number: 1410109

Project Name:

Client Sample ID:

Sample Description:

5-CT1-01

AES Lab ID: Project Number: 1410I09-001A 1410.002

Location:

Layer:

1

Gray soft fibrous to silty with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	OS FIBERS
Synthetics:	ND
Mineral Wool:	65
Fiberglass:	5
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

Elena Ivanova

ND - None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) enalysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CPR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently rehable in detecting small concentrations of asbestos in floor tiles and similar nonfinable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc

Microanalyst:

QC Analyst:

Yelena Khanina

Page 22 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

nalvē

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-002A

Client Sample ID: 5-CT1-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray soft fibrous to silty with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	OS FIBERS
Synthetics:	ND
Mineral Wool:	65
Fiberglass:	5
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4 82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

3080 Presidential Drive

Atlanta, GA 30340 Tel:(770) 457-8177 Fax:(770) 457-9188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410109

rvlag

21-Oct-14

Lab Code 102082-0 **Bulk Sample Analysis**

Durbin Environmental Consultants, Inc. Client Name:

1410109 AES Job Number:

Project Name:

1410I09-003A

AES Lab ID:

1410.002

Client Sample ID:

Project Number:

Location:

5-CT1-03

Layer:

1

Sample Description: Gray soft fibrous to silty with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	65
Fiberglass:	5
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk insulation Samples" (EPA 600764-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subjust E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive ashestos content

This report must not be reproduced except in full without written approval of Analytical Environmental Services. Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 24 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

1410109

uastað.

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name: AES Lab ID: 1410109-003A

Client Sample ID: 5-CT1-03 Project Number: 1410.002

Location: Layer: 2

Sample Description: Yellow semi-hard mastic

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
rocidolite:	ND
nthophyllite:	ND
remolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
ynthetics:	ND
neral Wool:	ND
berglass:	ND
ellulose:	ND
nimal Hair:	ND
ntigonite:	ND

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently rehable in detecting small concentrations of solection in floor bles and similar nonfinable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 467-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number: 1

ğalvy

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-004A

Client Sample ID: 5-CT2-01 Project Number: 1410.002

Location: Layer:

Sample Description: Gray soft fibrous to perlitic with paint

All percentages given below are visually estimated by volume

		given below are visually estimated by volume	
ASBESTOS	SFIBERS	NON-FIBROUS	MATERIALS
Chrysotile:	ND	Vermiculite:	ND
Amosite:	ND	Biotite:	ND
Crocidolite:	ND	Mica:	ND
Anthophyllite:	ND	Perlite:	30
Tremolite:	ND	Aggregates:	ND
Actinolite:	ND	Styrofoam:	ND
NON-ASBEST	OS FIBERS	OTHE	RS
Synthetics:	ND	Aluminum:	ND
Mineral Wool:	20	Bitumen:	ND
Fiberglass:	ND	Resilient Material:	ND
Cellulose:	40	Glue:	ND
Animal Hair:	ND	Binders:	10
Antigonite:	ND		

Comments: Paint included as binder

Elena Ivanova

ND - None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (IPA 000/M4 82 020), 1982 as found in 40 CPR, Part 703, Appendix B to Subpart B and "Bethod for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently schooler in detecting small concentrations of soluctors in floor tiles and similar nonlivable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 26 of 135

3080 Presidential Drive Atlanta, GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

1410109 AES Job Number:

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: AES Lab ID:

1410109

Project Name:

Project Number:

1410I09-005A

Location:

5-CT2-02

1410.002

Layer:

1

Sample Description:

Client Sample ID:

Gray soft fibrous to perlitic with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS MAT	NON-FIBROUS MATERI	
sotile:	ND	Vermiculite:][
nosite:	ND	Biotite:		
rocidolite:	ND	Mica:		
nthophyllite:	ND	Perlite:	3	
remolite:	ND	Aggregates:	N	
Actinolite:	ND	Styrofoam:	N	
NON-ASBEST	OS FIBERS	OTHERS		
Synthetics:	ND	Aluminum:	N	
/lineral Wool:	20	Bitumen:	N	
Fiberglass:	ND	Resilient Material:	N	
Cellulose:	40	Glue:	N	
nimal Hair:	ND	Binders:	1	
Antigonite:	ND	1		

Comments: Paint included as binder

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 27 of 135

3080 Presidential Drive

Allanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number: 1410109

Majva

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410/09-006A

Client Sample ID: 5-CT2-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray soft fibrous to perlitic with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	NON-FIBROUS MATER	
Chrysotile:	ND	Vermiculite:		
Amosite:	ND	Biotite:		
Procidolite:	ND	Mica:		
Anthophyllite:	ND	Perlite:		
Tremolite:	ND	Aggregates:		
Actinolite:	ND	Styrofoam:		
NON-ASBEST	OS FIBERS	отн	ERS	
Synthetics:	ND	Aluminum:		
Mineral Wool:	20	Bitumen:		
Fiberglass:	ND	Resilient Material:		
Cellulose:	40	Glue:		
Animal Hair:	ND	Binders:		
Antigonite:	ND	1		

Comments: Paint included as binder

Elena Ivanova

ND = None Detected

ABS, Inc. is accredited by MIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/b44-82-020), 1982 as found in 40 CPR, Part 763, Appendix B to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/k-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 28 of 135

3080 Presidential Drive Atlanta,GA 30340 Tel .(770) 457 8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

410109

21-Oct-14

Lab Code 102082-0

Bulk Sample Analysis

b Number: 1410109

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name: AES Lab ID: 1410109-007A

Client Sample ID: 5-CT3-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray soft fibrous to silty with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Procidolite:	ND
nthophyllite:	ND
remolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
ynthetics:	ND
ineral Wool:	65
berglass:	5
ellulose:	ND
nimal Hair:	ND
ntigonite:	ND

Comments: Paint included as binder

ND = None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/b4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 29 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel: (770) 457-8177 Fax: (770) 457-9188 AES Job Number: 1410109

Majvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-008A

Client Sample ID: 5-CT3-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray soft fibrous to silty with paint

All percentages given below are visually estimated by volume

ASBESTOS F	IBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	S FIBERS
Synthetics:	ND
Mineral Wool:	65
Fiberglass:	5
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

ND = None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/b44-82-020), 1982 as found in 40 CFR, Part 763, Appendix B to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/k-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

nalvå

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-009A

Client Sample ID: 5-CT3-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray soft fibrous to silty with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	65
Fiberglass:	5
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

Elena Ivanova

ND = None Detected

AES, Inc. as accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subject E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos centent.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 31 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel: (770) 457-8177 Fax: (770) 457-9188 AES Job Number: 1410109

nalvē

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410/09-010A

Client Sample ID: 5-CT4-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray soft fibrous to perlitic with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Procidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
fineral Wool:	20
iberglass:	ND
Cellulose:	40
nimal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

ND = None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4 82-020), 1982 as found in 40 CFR, Part 763, Appendix B to Subpart B and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfinable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



3000 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

Qalvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-011A

Client Sample ID: 5-CT4-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray soft fibrous to perlitic with paint

All percentages given below are visually estimated by volume

ASBESTOS FIBERS	
hrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	20
Fiberglass:	ND
Cellulose:	40
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

Elena Ivanova

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-000), 1982 as found in 40 CFR, Piet 763, Appendix E to Subport E and "Mithod for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 33 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number:

rvlaģ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-012A

Client Sample ID: 5-CT4-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray soft fibrous to perlitic with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
rysotile:	ND
mosite:	ND
ocidolite:	ND
thophyllite:	ND
emolite:	ND
tinolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
eral Wool:	20
erglass:	ND
llulose:	40
mal Hair:	ND
tigonite:	ND

Comments: Paint included as binder

Elena Ivanova

ND = None Detected

AES, Inc. is accredited by NISI's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4 82-020), 1982 as found in 40 CPR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



3080 Presidential Drive Atlanta, GA 30340 Tel: (770) 457-8177 Fax: (770) 457-8188 AES Job Number: 1410109

Marvá

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

 Project Name:
 AES Lab ID:
 1410109-013A

 Client Sample ID:
 5-FT1-01
 Project Number:
 1410.002

Location: Layer: 1

Sample Description: Beige hard compact partly granular with fibers

All percentages given below are visually estimated by volume

ASBESTOS FIBERS		NON-FIBROUS	MAT
Chrysotile:	ND	Vermiculite:	
mosite:	ND	Biotite:	
rocidolite:	ND	Mica:	
nthophyllite:	ND	Perlite:	
remolite:	ND	Aggregates:	
ctinolite:	ND	Styrofoam:	
NON-ASBEST	OS FIBERS	OTHE	RS
ynthetics:	ND	Aluminum:	
neral Wool:	ND	Bitumen:	
berglass:	ND	Resilient Material:	
ellulose:	1	Glue:	
imal Hair:	ND	Binders:	
ntigonite:	ND		

Comments: Floor Tile

ND - None Detected

AES, Inc. 1s accredited by NIST's National Voluntury Laboratory Accreditation Pengiam (NVLAP) fin Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:



3080 Presidential Drive Atlanta, GA 30340 Tel : (770) 457-8177 Fax: (770) 457-8188 AES Job Number: 1410109

Maly

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-014A

Client Sample ID: 5-FT1-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Beige hard compact partly granular with fibers and glue

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	2
Animal Hair:	ND
Antigonite:	ND

Comments: Floor Tile with glue

ND = None Detected

AES, Inc. as accredited by NTST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative: TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

na(vð

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-015A

Client Sample ID: 5-FT1-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Beige hard compact partly granular with fibers and glue

All percentages given below are visually estimated by volume

ASBESTOS FIBERS	
Chrysotile:	ND
Amosite:	ND
rocidolite:	ND
nthophyllite:	ND
remolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
ynthetics:	ND
neral Wool:	ND
iberglass:	ND
ellulose:	2
nimal Hair:	ND
ntigonite:	ND

Comments: Floor Tile with glue

Elena Ivanova

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently rehable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



Client Sample ID:

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3080 Presidential Drive Atlanta,GA 30340 Tel .(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

Qalvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-015A

Project Number: 1410.002

Location: Layer: 2

Sample Description: Black semi-hard bitumenous with fibers

5-FT1-03

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	3
nosite:	ND
ocidolite:	ND
hophyllite:	ND
molite:	ND
tinolite:	ND
NON-ASBEST	OS FIBERS
hetics:	ND
ral Wool:	ND
erglass:	ND
ulose:	ND
nal Hair:	ND
igonite:	ND

Comments: Black Mastic

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Poet 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 38 of 135

3000 Presidential Drive Atlanta, GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410109

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

1410109 AES Job Number:

Project Name: Client Sample ID:

5-FT2-01

1410.002

1410I09-016A

Location:

Project Number: 1

Layer:

AES Lab ID:

Dark Brown hard compact partly granular with fibers and glue Sample Description:

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
nrysotile:	ND
mosite:	ND
ocidolite:	ND
thophyllite:	ND
emolite:	ND
tinolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
eral Wool:	ND
erglass:	ND
llulose:	2
mal Hair:	ND
tiaonite:	ND

Comments: Floor Tile with glue

Elena Ivanova

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 39 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel .(770) 457 8177 Fax:(770) 457-8188

AES Job Number:

Project Number:

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. 1410109 AES Job Number:

Project Name: AES Lab ID: 1410I09-017A 5-FT2-02 1410.002 Client Sample ID:

Location: Layer:

Sample Description: Dark Brown hard compact partly granular with fibers and glue

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
hrysotile:	ND
osite:	ND
cidolite:	ND
hophyllite:	ND
molite:	ND
nolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
eral Wool:	ND
erglass:	ND
llulose:	2
mal Hair:	ND
tigonite:	ND

Floor Tile with glue Comments:

Elena Ivanova

ND = None Detected

ABS,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, mantitative TEM is currently the only method that can be used to determine conclusive asbestos content

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 40 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188

AES Job Number:

qalvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

1410109

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name: AES Lab ID: 1410I09-018A

Client Sample ID: 5-FT2-03 1410.002 Project Number:

1 Location: Layer:

Sample Description: Dark Brown hard compact partly granular with fibers and glue

All percentages given below are visually estimated by volume

ACDECTOR	FIDEDO
ASBESTOS	
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	2
Animal Hair:	ND
Antigonite:	ND

Comments: Floor Tile with glue

Elena Ivanova

ND - None Detected

AES Inc. is accordated by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) nalysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of the Computer of the C of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, partitative TEM is currently the only method that can be used to determine conclusive asbestos content

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc

Microanalyst:

QC Analyst:



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number:

1410109

qalvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1410109

Project Name:

AES Lab ID: Project Number: 1410109-019A 1410.002

Client Sample ID:

5-FT3-01

: 1

Location:

Layer:

Sample Description: Gray hard compact partly granular with fibers and glue

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	MATERI
Chrysotile:	ND	Vermiculite:	N
Amosite:	ND	Biotite:	N
Crocidolite:	ND	Mica:	N
Anthophyllite:	ND	Perlite:	N
Tremolite:	ND	Aggregates:	45
Actinolite:	ND	Styrofoam:	N
NON-ASBEST	OS FIBERS	OTHE	RS
Synthetics:	ND	Aluminum:	N
Mineral Wool:	ND	Bitumen:	N
Fiberglass:	ND	Resilient Material:	N
Cellulose:	1	Glue:	<
Animal Hair:	ND	Binders:	54
Antigonite:	ND		

Comments: Floor Tile with glue

Elena Ivanova

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntiny Laboratory Accreditation Program (NVLAP) for Poberard Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently rehable in deterting small concentrations of solutions in floor tiles and similar nonfiredile materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written appared of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



3080 Presidential Drive Atlanta, GA 30340 Tel .(770) 457 8177 Fax:(770) 457-8188 AES Job Number: 1410109

qalvr

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410/09-020A

Client Sample ID: 5-FT3-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray hard compact partly granular with fibers and glue

All percentages given below are visually estimated by volume

ASBESTOS	S FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments: Floor Tile with glue

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Busking Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of advestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 43 of 135

3080 Presidential Drive Atlanta, GA 30340 Tel : (770) 457-8177 Fax. (770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number: 1410109

1410109

avlv6

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name: AES Lab ID: 1410109-021A

Client Sample ID: 5-FT3-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray hard compact partly granular with fibers and glue

All percentages given below are visually estimated by volume

,	
ASBESTOS	SFIBERS
hrysotile:	ND
mosite:	ND
rocidolite:	ND
nthophyllite:	ND
remolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
ynthetics:	ND
ineral Wool:	ND
iberglass:	ND
ellulose:	1
nimal Hair:	ND
ntigonite:	ND

Comments: Floor Tile with glue

Elena Ivanova

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-000), 1982 as found in 40 CFR, Part 763, Appendix E to Sulport E and "Mithod fin the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 44 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

galvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-022A

Client Sample ID: 5-FT4-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray hard compact partly granular with fibers and glue

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	MA.
rysotile:	ND	Vermiculite:	
mosite:	ND	Biotite:	
ocidolite:	ND	Mica:	
thophyllite:	ND	Perlite:	
emolite:	ND	Aggregates:	
tinolite:	ND	Styrofoam:	
NON-ASBEST	OS FIBERS	отн	ERS
nthetics:	ND	Aluminum:	
eral Wool:	ND	Bitumen:	
erglass:	ND	Resilient Material:	
llulose:	2	Glue:	
mal Hair:	ND	Binders:	
tigonite:	ND		

Comments: Floor Tile with glue

ND = None Detected

AES, Inc. as accredited by NTST's National Voluntiny Laboratiny Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Piet 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is convently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 45 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188

AES Job Number:

RVLAG

Lab Code 102082-0

21-Oct-14

Bulk Sample Analysis

1410109 AES Job Number:

Client Name: Durbin Environmental Consultants, Inc.

Project Name: AES Lab ID: 1410I09-023A

Client Sample ID: 5-FT4-02 1410.002 Project Number:

Location: Layer:

Sample Description: Gray hard compact partly granular with fibers and glue

All percentages given below are visually estimated by volume

ASBESTOS	S FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	2
Animal Hair:	ND
Antigonite:	ND

Floor Tile with glue Comments:

Elena Ivanova

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) nalysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume: PLM is not consistently reliable in detecting small concentrations of adiestos in floir tiles and similar nonfriable materials. quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

nalvð

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-024A

Client Sample ID: 5-FT4-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray hard compact partly granular with fibers and glue

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	MATE
hrysotile:	ND	Vermiculite:	
mosite:	ND	Biotite:	
rocidolite:	ND	Mica:	
nthophyllite:	ND	Perlite:	
remolite:	ND	Aggregates:	
Actinolite:	ND	Styrofoam:	
NON-ASBEST	OS FIBERS	OTHE	RS
Synthetics:	ND	Aluminum:	
lineral Wool:	ND	Bitumen:	
iberglass:	ND	Resilient Material:	
Cellulose:	2	Glue:	
nimal Hair:	ND	Binders:	
Antigonite:	ND		

Comments: Floor Tile with glue

Elena Ivanova

ND = None Detected

AES, Inc. as accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subject E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos centent.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

3080 Presidential Drive Atlanta,GA 30340 Tel .(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

1410109 AES Job Number:

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

5-FT6-02

AES Job Number:

1410109

Project Name: Client Sample ID:

AES Lab ID:

1410109-026A

1410.002

Location:

Project Number: Layer:

1

Sample Description:

Gray semi-hard resilient with fibers and glue

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments: Vinyl with glue

ND - None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA 'Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of ashestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 48 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457 8188 AES Job Number. 1410

Malya

Lab Code 102082-0

21-Oct-14

Bulk Sample Analysis

Client Name: Durbin Environmental Consultants, Inc. A

AES Job Number: 1410109

Project Name:

AES Lab ID:

1410109-027A 1410.002

Client Sample ID:

5-FT6-03

Project Number:

Location:

Layer:

Sample Description:

Gray semi-hard resilient with fibers and glue

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	MATERIA
Chrysotile:	ND	Vermiculite:	NE
Amosite:	ND	Biotite:	N
Crocidolite:	ND	Mica:	N
Anthophyllite:	ND	Perlite:	NE
Tremolite:	ND	Aggregates:	NE
Actinolite:	ND	Styrofoam:	NE
NON-ASBEST	OS FIBERS	OTHER	RS
Synthetics:	ND	Aluminum:	N
Mineral Wool:	ND	Bitumen:	NE
Fiberglass:	ND	Resilient Material:	95
Cellulose:	1	Glue:	2
Animal Hair:	ND	Binders:	2
Antigonite:	ND		

Comments: Vinyl with glue

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4 82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfrishbe materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

1410109

Project Name: Client Sample ID:

5-LC-01

AES Lab ID: 1410I09-028A Project Number:

Location:

1410.002

Layer:

1

Sample Description: Brown semi-hard resilient

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Comments: Vinyl

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Sulport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 50 of 135

3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

5-LC-01

1410109 AES Job Number:

Project Name:

AES Lab ID: 1410I09-028A

Client Sample ID:

Project Number:

1410.002

Location:

Layer:

2

Gray soft fibrous to silty Sample Description:

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	50
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Backing Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

Yelena Khanina

Page 51 of 135

3080 Presidential Drive

Atlanta,GA 30340 Tel :(770) 457-8177 Fax.(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410109

nalvė

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1410109

Project Name:

AES Lab ID:

1410109-029A 1410.002

Client Sample ID:

Sample Description:

5-LC-02

Project Number: Layer:

1

Location:

Brown semi-hard resilient

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Comments: Vinyl

ND - None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix B to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 52 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

1410109

qalvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

abili Elivilolimental Consultants, inc.

AES Lab ID: 1410109-029A

Client Sample ID: 5-LC-02

Project Number: 1410.002

Location:

Project Name:

Layer: 2

Sample Description: Gray soft fibrous to silty

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	50
Amosite:	ND
rocidolite:	ND
nthophyllite:	ND
remolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
ynthetics:	ND
lineral Wool:	ND
iberglass:	ND
Cellulose:	ND
nimal Hair:	ND
Antigonite:	ND

Comments: Backing

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102062 0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently rehable in detecting small concentrations of subestos in floor tiles and similar nonfinishle materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 53 of 135



3000 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-9177 Eax:(770) 457-8188 AES Job Number: 1410109

Majan

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-030A

Client Sample ID: 5-LC-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Brown semi-hard resilient

All percentages given below are visually estimated by volume

ASBESTOS	S FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	ND
Animal Hair:	ND
Antigonitos	ND

Comments: Vinyl

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntiery Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interian Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-000), 1982 as found in 40 CFR, Port 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 54 of 135



3000 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410

rvlagi

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-030A

Client Sample ID: 5-LC-03 Project Number: 1410.002

Location: Layer: 2

Sample Description: Gray soft fibrous to silty

All percentages given below are visually estimated by volume

ASBESTOS FIBERS	
Chrysotile:	50
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Comments: Backing

ND = None Detected

AES, Juc. as accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Pset 763, Appendix E to Subject E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 55 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel: (770) 457-8177 Fax: (770) 457-8188 AES Job Number: 1410109

Maryad

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-031A

Client Sample ID: 5-CA1-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Green / Yellow semi-hard mastic with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
hrysotile:	ND
Amosite:	ND
Procidolite:	ND
nthophyllite:	ND
remolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	3
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES, Inc. is accredited by NTST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 56 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

riwîa9î

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-032A

Client Sample ID: 5-CA1-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Green / Yellow semi-hard mastic with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS M	ATERI
Chrysotile:	ND	Vermiculite:	NE
Amosite:	ND	Biotite:	NE
Crocidolite:	ND	Mica:	NE
Anthophyllite:	ND	Perlite:	NE
Tremolite:	ND	Aggregates:	NE
Actinolite:	ND	Styrofoam:	NE
NON-ASBEST	OS FIBERS	OTHER	s
Synthetics:	ND	Aluminum:	NE
Mineral Wool:	ND	Bitumen:	NE
Fiberglass:	ND	Resilient Material:	NE
Cellulose:	3	Glue:	95
Animal Hair:	ND	Binders:	2
Antigonite:	ND		

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4 82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:



3080 Presidential Drive Atlanta, GA 30340 Tel: (770) 457-8177 Fax. (770) 457-9188 AES Job Number: 1410109

nalvē

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-033A

Client Sample ID: 5-CA1-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Green / Yellow semi-hard mastic with fibers

All percentages given below are visually estimated by volume

7 iii percentinger		· · · · · · · · · · · · · · · · · · ·
ASBESTOS	FIBERS	NON-FIBROUS
hrysotile:	ND	Vermiculite:
nosite:	ND	Biotite:
cidolite:	ND	Mica:
ophyllite:	ND	Perlite:
nolite:	ND	Aggregates:
nolite:	ND	Styrofoam:
NON-ASBEST	OS FIBERS	ОТНЕ
hetics:	ND	Aluminum:
al Wool:	ND	Bitumen:
rglass:	ND	Resilient Material:
ulose:	3	Glue:
al Hair:	ND	Binders:
igonite:	ND	•

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Piot 763, Appendix E to Subjust E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

Yelena Khanina

Page 58 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188

1410109 AES Job Number:

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

AES Lab ID:

1410109

1

Project Name: Client Sample ID:

Sample Description:

5-CA2-01

Project Number:

Location:

Layer:

1410I09-034A 1410.002

Gray semi-hard silty to mastic with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	MAT
hrysotile:	ND	Vermiculite:	
mosite:	ND	Biotite:	
rocidolite:	ND	Mica:	
nthophyllite:	ND	Perlite:	
remolite:	ND	Aggregates:	
Actinolite:	ND	Styrofoam:	
NON-ASBEST	OS FIBERS	OTHE	RS
Synthetics:	ND	Aluminum:	
lineral Wool:	ND	Bitumen:	
iberglass:	ND	Resilient Material:	
Cellulose:	3	Glue:	
nimal Hair:	ND	Binders:	
Antigonite:	ND		

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600'M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Sulpont E and "Method for the Determina of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 59 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

na(võ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-035A

Client Sample ID: 5-CA2-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray semi-hard silty to mastic with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS I	MATERIALS
Chrysotile:	ND	Vermiculite:	ND
Amosite:	ND	Biotite:	ND
Crocidolite:	ND	Mica:	ND
Anthophyllite:	ND	Perlite:	ND
Tremolite:	ND	Aggregates:	ND
Actinolite:	ND	Styrofoam:	ND
NON-ASBEST	OS FIBERS	OTHER	RS
Synthetics:	ND	Aluminum:	ND
Mineral Wool:	ND	Bitumen:	ND
Fiberglass:	ND	Resilient Material:	ND
Cellulose:	3	Glue:	20
Animal Hair:	ND	Binders:	77
Antigonite:	ND		

Comments:

ND = None Detected

AES,Inc. is accredited by NESI's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 000/M4 82-020), 1982 as found in 40 CPR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

Yelena Khanina

Page 60 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel : (770) 457-8177 Fax. (770) 457-8188 AES Job Number: 1410109

MANY

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-036A

Client Sample ID: 5-CA2-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray semi-hard silty to mastic with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
rysotile:	ND
osite:	ND
cidolite:	ND
nophyllite:	ND
emolite:	ND
tinolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
eral Wool:	ND
erglass:	ND
llulose:	3
mal Hair:	ND
igonite:	ND

Comments:

ND = None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume: PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 61 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel: (770) 457-8177 Fax: (770) 457-9188 AES Job Number:

1410109

Malvõ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-037A

Client Sample ID: 5-CB1-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Brown semi-hard resilient

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Comments: Vinyl

ND = None Detected

AES, Inc. is acceedated by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Saliport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 62 of 135



3090 Presidential Drive Atlanta,GA 30340 Tel :(770) 457 9177 Fax:(770) 457-9188 AES Job Number:

ų

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-037A

Client Sample ID: 5-CB1-01 Project Number: 1410.002

Location: Layer: 2

Sample Description: Gray semi-hard mastic with fibers

All percentages given below are visually estimated by volume

	All percentages
ASBESTOS	S FIBERS
hrysotile:	ND
nosite:	ND
ocidolite:	ND
thophyllite:	ND
remolite:	ND
ctinolite:	ND
NON-ASBEST	TOS FIBERS
nthetics:	ND
neral Wool:	ND
berglass:	ND
ellulose:	1
imal Hair:	ND
ntigonite:	ND

Comments: Glue

ND = None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accredance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (IPA 600/b4+82-020), 1982 as found in 40 CPR, Part 763, Appendix E to Sobpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



Client Name:

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1

qalvn

Lab Code 102082-0

21-Oct-14

Bulk Sample Analysis

Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-038A

Client Sample ID: 5-CB1-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Brown semi-hard resilient

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Comments: Vinyl

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

3080 Presidential Drive

Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410109

nalvė

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number:

imber: 1410109

Project Name: Client Sample ID:

5-CB1-02

AES Lab ID: 1410109-038A

Project Number: 1410

1410.002

Location:

Layer:

2

Sample Description:

Gray semi-hard mastic with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments: Glue

ND = None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (IPA 000164 82 020), 1982 as found in 40 CPR, Part 703, Appendix B to Subpart B and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 65 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410108

Ma(vð

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-039A

Client Sample ID: 5-CB1-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Brown semi-hard resilient

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
mosite:	ND
rocidolite:	ND
nthophyllite:	ND
emolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
neral Wool:	ND
perglass:	ND
ellulose:	ND
nimal Hair:	ND
ntigonite:	ND

Comments: Vinyl

ND = None Detected

AES, Inc. vs accredited by NIST's National Voluntury Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Pot 763, Appendix E to Sulpost E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is concently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:



3000 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

1410109

aalvā

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name: AES Lab ID: 1410109-039A

Client Sample ID: 5-CB1-03 Project Number: 1410.002

Location: Layer: 2

Sample Description: Gray semi-hard mastic with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
rocidolite:	ND
nthophyllite:	ND
remolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
ynthetics:	ND
lineral Wool:	ND
iberglass:	ND
Cellulose:	1
nimal Hair:	ND
Antigonite:	ND

Comments: Glue

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntiny Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 67 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

narbj

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-040A

Client Sample ID: 5-DWJC-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Light Gray semi-hard silty with fibers, mica and paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
hrysotile:	ND
nosite:	ND
idolite:	ND
phyllite:	ND
olite:	ND
nolite:	ND
NON-ASBEST	OS FIBERS
netics:	ND
ral Wool:	ND
glass:	ND
ilose:	1
al Hair:	ND
onite:	ND

Comments: Paint included as binder

ND - None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (IPA 000/M4 82-020), 1982 as found in 40 CPR, Part 763, Appendix B to Subpart B and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/800/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently rehable in detecting small concentrations of soluctors in floor tiles and similar nonfinable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



3080 Presidential Drive Atlanta, GA 30340 Tel : (770) 457-8177 Fax: (770) 457-8188 AES Job Number: 1410109

ua(vð

Lub Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-040A

Client Sample ID: 5-DWJC-01 Project Number: 1410.002

Location: Layer: 2

Sample Description: Brown soft fibrous

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
hrysotile:	ND
Amosite:	ND
rocidolite:	ND
nthophyllite:	ND
remolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
ynthetics:	ND
neral Wool:	ND
berglass:	ND
ellulose:	95
nimal Hair:	ND
ntigonite:	ND

Comments:

ND = None Detected

ADS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4 82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

3000 Presidential Drive Atlanta, GA 30340 Tel . (770) 457 9177 Fax: (770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number: 1410109

na(vð

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1410

1410109

Project Name:

·

AES Lab ID: 1

1410109-040A

Client Sample ID:

5-DWJC-01

Project Number:

1410.002

Location:

Layer:

3

Sample Description: Gray semi-hard silty with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	S FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	3
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 70 of 135

3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number: 1

nvľað

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1410109

Project Name:

AES Lab ID:

1410109-041A

Client Sample ID:

5-DWJC-02

Project Number:

1410.002

Location:

Layer: 1

Sample Description: Brown soft fibrous with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS		NON-FIBROUS MATER	
hrysotile:	ND		ermiculite:	
mosite:	ND	Ві	iotite:	
rocidolite:	ND	М	ica:	
nthophyllite:	ND	Pe	erlite:	
remolite:	ND	A	ggregates;	
Actinolite:	ND	St	tyrofoam:	
NON-ASBEST	OS FIBERS		OTHERS	
Synthetics:	ND	A	luminum:	
lineral Wool:	ND	Ві	itumen:	
iberglass:	ND	R	esilient Material:	
Cellulose:	95	G	lue:	
nimal Hair:	ND	Ві	inders:	
Antigonite:	ND			

Comments: Paint included as binder

ND = None Detected

AES, Inc. is accredited by NTST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Piot 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is concently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 71 of 135

3080 Presidential Drive Atlanta,GA 30340 Tel .(770) 457 8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

1410109 AES Job Number:

Project Name:

AES Lab ID:

1410I09-041A

Client Sample ID:

5-DWJC-02

Project Number:

1410.002

Location:

Layer:

2

Sample Description: Gray semi-hard silty with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	S FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	3
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

ALIS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/b44-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R. 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, mantitative TEM is currently the only method that can be used to determine conclusive asbestos content

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 72 of 135



3090 Presidential Drive Atlanta,GA 30340 Tel .(770) 457 8177 Fax:(770) 457-8188 AES Job Number: 1410109

Majvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-042A

Client Sample ID: 5-DWJC-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Light Gray semi-hard silty with fibers, mica and paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
rysotile:	ND
nosite:	ND
ocidolite:	ND
hophyllite:	ND
emolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
neral Wool:	ND
berglass:	ND
ellulose:	1
imal Hair:	ND
ntigonite:	ND

Comments: Paint included as binder

Elena Ivanova

ND - None Detected

AES Inc. is accordited by NIST's National Voluntary Laboratory Accorditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 6009M-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



AES Job Number:

1410109

Lab Code 102082-0

3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1410109 1410I09-042A AES Lab ID:

Project Name:

1410.002

Client Sample ID:

5-DWJC-03

Project Number:

Location:

Layer:

2

Sample Description:

Brown soft fibrous

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	S FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	95
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "faterim Method for the Determination of Asbestos in Bulk issulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Pset 763, Appendix E to Sultport E and "Method fin the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 74 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax.(770) 457-8188 AES Job Number: 141010

nvlaģ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-042A

Client Sample ID: 5-DWJC-03 Project Number: 1410.002

Location: Layer: 3

Sample Description: Gray semi-hard silty with fibers

All percentages given below are visually estimated by volume

ASBESTOS FIBERS	
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTOS FIBERS	
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	3
Animal Hair:	ND
Antigonite:	ND

Comments:

ND - None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

3080 Presidential Drive

Atlanta,GA 30340 Tel :(770) 457-9177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number: 1

1410109

nalvå

Lab Code 102082-0 21-Oct-14

Bulk Sample Analysis

Durbin Environmental Consultants, Inc.

AES Job Number: 1410109

Client Name: Project Name:

AES Lab ID: 1410109-043A

Client Sample ID:

Project Number:

1410.002

1

Location:

Layer:

Sample Description: Light Gray semi-hard silty with fibers, mica and paint

5-DWJC-04

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
hrysotile:	ND
Amosite:	ND
rocidolite:	ND
nthophyllite:	ND
remolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
ynthetics:	ND
neral Wool:	ND
berglass:	ND
ellulose:	1
imal Hair:	ND
ntigonite:	ND

Comments: Paint included as binder

Elena Ivanova

ND - None Detected

AES, Inc. 1s accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082 0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/b4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 76 of 135



AES Job Number: 1410109

galvn

Tab Code 102082-0

3080 Presidential Drive Atlanta, GA 30340 Tel .(770) 457 8177 Fax:(770) 457-8188

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1410109

ΛES Lab ID: 1410109-043A

Client Sample ID: 5-DWJC-04

Sample Description:

Project Number: 1410.002

Location:

Layer: 2

Location:

Project Name:

Brown soft fibrous

All percentages given below are visually estimated by volume

ASBESTOS FIBERS		
ASBESTOS		
Chrysotile:	ND	
Amosite:	ND	
Crocidolite:	ND	
Anthophyllite:	ND	
Tremolite:	ND	
Actinolite:	ND	
NON-ASBEST	OS FIBERS	
Synthetics:	ND	
Mineral Wool:	ND	
Fiberglass:	ND	
Cellulose:	95	
Animal Hair:	ND	
Antigonite:	ND	

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbesios in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbesios in Bulk Building Materials" (EPA/600/R-93/116), 1993

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:



AES Job Number:

1410109

3000 Presidential Drive Atlanta, GA 30340 Tel .(770) 457 0177 Fax:(770) 457-8188

antvē

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1410109

Project Name:

AES Lab ID:

1410109-043A

Client Sample ID:

Project Number:

1410.002

Location:

5-DWJC-04

Layer:

3

Sample Description: Gray semi-hard silty with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	S FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	3
Animal Hair:	ND
Antigonite:	ND

Comments:

ND - None Detected

AES, Inc. is accredited by NTST's National Voluntary Laboratory Accreditation Program (NVLAP) for Pubureral Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 78 of 135



3000 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188

AES Job Number:

qalvn

Lab Code 102082-0

21-Oct-14

Bulk Sample Analysis

Durbin Environmental Consultants, Inc. Client Name:

AES Lab ID:

AES Job Number: 1410109

1

Project Name:

Client Sample ID:

Sample Description:

5-DWJC-05

Project Number:

1410109-044A 1410.002

Location:

Layer:

Light Gray semi-hard silty with fibers, mica and paint

All percentages given below are visually estimated by volume

ASBESTOS FIBERS	
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	S FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

Elena Ivanova

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 6007M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 79 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

nvlaģ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

 Project Name:
 AES Lab ID:
 1410109-044A

 Client Sample ID:
 5-DWJC-05
 Project Number:
 1410.002

Location: Layer: 2

Sample Description: Brown soft fibrous

All percentages given below are visually estimated by volume

All percentages		
ASBESTOS FIBERS		
hrysotile:	ND	
mosite:	ND	
rocidolite:	ND	
nthophyllite:	ND	
remolite:	ND	
ctinolite:	ND	
NON-ASBEST	OS FIBERS	
ynthetics:	ND	
lineral Wool:	ND	
iberglass:	ND	
ellulose:	95	
nimal Hair:	ND	
Antigonite:	ND	

Comments:

ND = None Detected

ALS, Inc. is accredited by NIST's National Volustary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis. Lab Code 107082-0. All analysis performed in accordance with EPA "Interim Method for the Determination of Ashestes in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Ashestes in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 80 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel: (770) 457-8177 Fax: (770) 457-8188 AES Job Number: 1410109

nalvá

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-044A

Client Sample ID: 5-DWJC-05 Project Number: 1410.002

Location: Layer: 3

Sample Description: Gray semi-hard silty with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	
Chrysotile:	ND	
Amosite:	ND	
Procidolite:	ND	
Anthophyllite:	ND	
remolite:	ND	
Actinolite:	ND	
NON-ASBEST	OS FIBERS	
Synthetics:	ND	
/lineral Wool:	ND	
iberglass:	ND	
Cellulose:	3	
nimal Hair:	ND	
Antigonite:	ND	

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Muterials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is correctly the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

Yelena Khanina

Page 81 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel . (770) 457 8177 Fax: (770) 457-8188 AES Job Number: 1410109

Malvá

Lab Code 102082-0

21-Oct-14

Bulk Sample Analysis

Durbin Environmental Consultants, Inc.

AES Job Number:

1410109

Client Name: Project Name:

•

AES Lab ID:

1410109-045A

Client Sample ID:

5-P-01

Project Number:

1410.002

Location:

Layer:

1

Sample Description:

Light Gray semi-hard silty with fibers and paint

All percentages given below are visually estimated by volume

ASBESTOS	ASBESTOS FIBERS	
Chrysotile:	ND	
Amosite:	ND	
Crocidolite:	ND	
Anthophyllite:	ND	
Tremolite:	ND	
Actinolite:	ND	
NON-ASBESTO	OS FIBERS	
Synthetics:	ND	
Mineral Wool:	ND	
Fiberglass:	ND	
Cellulose:	1	
Animal Hair:	ND	
Antigonite:	ND	

Comments: Paint included as binder

ND = None Detected

AES,Inc. is accredited by NISI's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by usually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

_

QC Analyst:



3080 Presidential Drive Atlanta, GA 30340 Tel : (770) 457-8177 Fax: (770) 457-8188 AES Job Number: 1410109

najva

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

 Project Name:
 AES Lab ID:
 1410109-045A

 Client Sample ID:
 5-P-01
 Project Number:
 1410.002

Location: Layer: 2

Sample Description: Gray semi-hard silty to partly granular with fibers

All percentages given below are visually estimated by volume

ASBESTOS FIBERS	
hrysotile:	ND
mosite:	ND
rocidolite:	ND
nthophyllite:	ND
remolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
ynthetics:	ND
ineral Wool:	ND
iberglass:	ND
ellulose:	1
nimal Hair:	ND
ntigonite:	ND

Comments:

ND = None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4 82-020), 1982 as found in 40 CPR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410100

nalvå

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-048A

Client Sample ID: 5-P-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Light Gray semi-hard silty with fibers and paint

All percentages given below are visually estimated by volume

ASBESTOS	S FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

ND = None Detected

AES Just as accredited by NTST's Natured Voluntory Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "fatterin Method for the Determination of Asbestos in Bulk Insolution Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Poet 763, Apparatix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 84 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax.(770) 457 8188 AES Job Number: 1410l

galvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-046A

Client Sample ID: 5-P-02 Project Number: 1410.002

Location: Layer: 2

Sample Description: Gray semi-hard silty to partly granular with fibers

All percentages given below are visually estimated by volume

ASBESTOS	ASBESTOS FIBERS NON		N-FIBROUS MATERIAL	
Chrysotile:	ND	Vermiculite:	ND	
Amosite:	ND	Biotite:	ND	
Crocidolite:	ND	Mica:	ND	
Anthophyllite:	ND	Perlite:	ND	
Tremolite:	ND	Aggregates:	35	
Actinolite:	ND	Styrofoam:	ND	
NON-ASBEST	OS FIBERS	OTHER	s	
Synthetics:	ND	Aluminum:	ND	
Mineral Wool:	ND	Bitumen:	ND	
Fiberglass:	ND	Resilient Material:	ND	
Cellulose:	1	Glue:	ND	
Animal Hair:	ND	Binders:	64	
Antigonite:	ND			

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 000/M4 82-020), 1982 as found in 40 CPR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/000/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently rehable in deterting small concentrations of selection in floor tiles and similar nonfitiable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 85 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

nalvē

Lab Code 102082-0

21-Oct-14

Bulk Sample Analysis

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-047A

Client Sample ID: 5-P-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Light Gray semi-hard silty with fibers and paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

ND - None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/b44-82-020), 1982 as found in 40 CFR, Part 763, Appendix B to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (IPA/600/k 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 86 of 135

3080 Presidential Drive

Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

nvlaģ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-047A

Client Sample ID: 5-P-03 Project Number: 1410.002

Location: Layer: 2

Sample Description: Gray semi-hard silty to partly granular with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
fineral Wool:	ND
iberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES Inc. is accordated by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Pubureed Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 6007M4-82-070), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 87 of 135

3080 Presidential Drive Atlanta, GA 30340 Tel: (770) 457-8177 Fax: (770) 457-8188

1410109



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410109

qalvr

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name: AES Lab ID: 1410109-048A

Client Sample ID: 5-P-04 Project Number: 1410.002

Location: Layer: 2

Sample Description: Gray semi-hard silty to partly granular with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
otile:	ND
osite:	ND
cidolite:	ND
ophyllite:	ND
molite:	ND
tinolite:	ND
NON-ASBEST	OS FIBERS
thetics:	ND
ral Wool:	ND
rglass:	ND
ulose:	1
nal Hair:	ND
onite:	ND

Comments:

ND - None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600'M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:



3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax.(770) 457-8188

AES Job Number:

Bulk Sample Analysis

21-Oct-14

1

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: AES Lab ID:

Layer:

1410109

Project Name: Client Sample ID:

5-P-05

1410I09-049A

Project Number:

1410.002

Location:

Sample Description: Light Gray semi-hard silty with fibers and paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
hrysotile:	ND
mosite:	ND
ocidolite:	ND
thophyllite:	ND
emolite:	ND
tinolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
eral Wool:	ND
erglass:	ND
llulose:	1
mal Hair:	ND
tigonite:	ND

Paint included as binder Comments:

Elena Ivanova

ND - None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/b44-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R, 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 89 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410

na(vð

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-049A

Client Sample ID: 5-P-05 Project Number: 1410.002

Location: Layer: 2

Sample Description: Gray semi-hard silty to partly granular with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
/sotile:	ND
nosite:	ND
cidolite:	ND
ophyllite:	ND
nolite:	ND
inolite:	ND
NON-ASBEST	OS FIBERS
thetics:	ND
ral Wool:	ND
rglass:	ND
ulose:	1
al Hair:	ND
gonite:	ND

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax.(770) 457-9188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410109

antab.

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-050A

Client Sample ID: 5-WC-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Yellow semi-hard silty with fibers and paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS M	ATERI.
Chrysotile:	ND	Vermiculite:	NE
Amosite:	ND	Biotite:	NI
Crocidolite:	ND	Mica:	NI
Anthophyllite:	ND	Perlite:	NE
Tremolite:	ND	Aggregates:	NE
Actinolite:	ND	Styrofoam:	NE
NON-ASBEST	OS FIBERS	OTHER	S
Synthetics:	ND	Aluminum:	NE
Mineral Wool:	ND	Bitumen:	NE
Fiberglass:	ND	Resilient Material:	NE
Cellulose:	1	Glue:	NE
Animal Hair:	ND	Binders:	99
Antigonite:	ND		

Comments: Paint included as binder

Elena Ivanova

ND - None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/h44-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 91 of 135



3080 Presidential Drive Atlanta, CA 30340 Tel: (770) 457-8177 Fax: (770) 457-8188 AES Job Number: 1410109

MA(VÕ

Lab Code 102082

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

 Project Name:
 AES Lab ID:
 1410109-051A

 Client Sample ID:
 5-WG-02
 Project Number:
 1410.002

Location: Layer: 1

Sample Description: Yellow semi-hard silty with fibers and paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	MATERIA
Chrysotile:	ND	Vermiculite:	ND
Amosite:	ND	Biotite:	ND
Crocidolite:	ND	Mica:	ND
Anthophyllite:	ND	Perlite:	ND
Tremolite:	ND	Aggregates:	ND
Actinolite:	ND	Styrofoam:	ND
NON-ASBEST	OS FIBERS	OTHER	RS
Synthetics:	ND	Aluminum:	ND
Mineral Wool:	ND	Bitumen:	ND
Fiberglass:	ND	Resilient Material:	ND
Cellulose:	1	Glue:	ND
Animal Hair:	ND	Binders:	99
Antigonite:	ND		

Comments: Paint included as binder

ND - None Detected

AES, Inc. is accordated by NIST's National Voluntary Laboratory Accordate to Program (NVLAP) for Poberard Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188

5-WC-03



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1410109

Project Name:

AES Lab ID: 1410I09-052A

Client Sample ID:

Sample Description:

Project Number:

1410.002

Location:

Layer:

1

Yellow semi-hard silty with fibers and paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS M	NON-FIBROUS MATERIALS	
Chrysotile:	ND	Vermiculite:	ND	
Amosite:	ND	Biotite:	ND	
Crocidolite:	ND	Mica:	ND	
Anthophyllite:	ND	Perlite:	ND	
Tremolite:	ND	Aggregates:	ND	
Actinolite:	ND	Styrofoam:	ND	
NON-ASBEST	OS FIBERS	OTHER:	3	
Synthetics:	ND	Aluminum:	ND	
Mineral Wool:	ND	Bitumen:	ND	
Fiberglass:	ND	Resilient Material:	ND	
Cellulose:	1	Glue:	ND	
Animal Hair:	ND	Binders:	99	
Antigonite:	ND			

Comments: Paint included as binder

Elena Ivanova

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4 82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

1410109

nalvð

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name: AES Lab ID: 1410109-053A

Client Sample ID: 5-C1-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Light Gray semi-hard resilient with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	2
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (IPA 600/M4 82 020), 1982 as found in 40 CPR, Part 763, Appendix B to Subpart B and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently schools in detecting small concentrations of soluction in floor tiles and similar nonfradile notionals, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

Yelena Khanina

Page 94 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

na(võ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

 Project Name:
 AES Lab ID:
 1410109-053A

 Client Sample ID:
 5-C1-01
 Project Number:
 1410.002

Location: Layer: 2

Sample Description: Brown soft fibrous

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	MATE
Chrysotile:	ND	Vermiculite:	
Amosite:	ND	Biotite:	
Crocidolite:	ND	Mica:	
Anthophyllite:	ND	Perlite:	
Tremolite:	ND	Aggregates:	
Actinolite:	ND	Styrofoam:	
NON-ASBEST	OS FIBERS	OTHE	RS
Synthetics:	ND	Aluminum:	1
Mineral Wool:	ND	Bitumen:	1
Fiberglass:	ND	Resilient Material:	1
Cellulose:	95	Glue:	
Animal Hair:	ND	Binders:	
Antigonite:	ND	1	

Comments:

ND = None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (IPA 000/b44-82-020), 1982 as found in 40 CPR, Part 763, Appendix B to Subpart B and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:



3080 Presidential Drive Atlanta,GA 30340 Tel: (770) 457-8177 Fax:(770) 457-8188

AES Job Number:

Lab Code 102082-0

21-Oct-14

Bulk Sample Analysis

Client Name: Durbin Environmental Consultants, Inc.

Client Sample ID:

Location:

Project Name:

5-C1-02

1410109 AES Job Number: 1410I09-054A

1410.002 Project Number:

1 Layer:

AES Lab ID:

Sample Description: Light Gray semi-hard resilient with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	2
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES, Inc. is accordated by NIST's National Voluntary Laboratory Accordation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 96 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel: (770) 457-8177 Fax: (770) 457-9108 AES Job Number: 1410109

1410109

M∧(vðð.

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name: AES Lab ID: 1410109-054A

Client Sample ID: 5-C1-02 Project Number: 1410.002

Location: Layer: 2

Sample Description: Brown soft fibrous

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	95
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

ABS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (IPA 600/b44 82 020), 1982 as found in 40 CPR, Part 763, Appendix B to Subpart B and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:



3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

1410109

nalvá

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name: AES Lab ID: 1410109-055A

Client Sample ID: 5-C1-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Light Gray semi-hard resilient with fibers

All percentages given below are visually estimated by volume

ASBESTOS	EIDEDS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	2
Animal Hair:	ND
Antigonite:	ND

Comments:

ND - None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CPR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 98 of 135



3080 Presidential Drive Affanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

1410109

nalvė

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Brown soft fibrous

AES Lab ID: 1410109-055A

Client Sample ID: 5-C1-03

Sample Description:

Project Number: 1410.002

Location:

Project Name:

Layer: 2

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	95
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES, Inc. is accordated by NIST's National Voluntary Latenstory Accorditation Program (NVI.AP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 6000M4-82-000), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test usuals apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:



3000 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

ğalvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-056A

Client Sample ID: 5-EWC-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray semi-hard resilient with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
nosite:	ND
idolite:	ND
ophyllite:	ND
molite:	ND
inolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
eral Wool:	ND
erglass:	ND
llulose:	1
imal Hair:	ND
ntigonite:	ND

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntury Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 100 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

ğalvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-057A

Client Sample ID: 5-EWC-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray semi-hard resilient with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
hrysotile:	ND
Amosite:	ND
Crocidolite:	ND
thophyllite:	ND
remolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
/lineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

qalvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab TD: 1410109-058A

Client Sample ID: 5-EWC-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray semi-hard resilient with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Pet 763, Appendix E to Suliport E and "Method fin the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 102 of 135

3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410109

antvõ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1410109

Project Name:

AES Lab ID: 1410109-059A

Client Sample ID: 5-SC-01

Project Number: 1410.002

Location:

Layer: 1

Sample Description:

Brown semi-hard silty to fibrous with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	10
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	S FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	5
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

Elena Ivanova

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Pularized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/b4+82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. Pf.M is not consistently reliable in detecting small concentrations of asbestos in floor tales and similar nonfrishle materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 103 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel . (770) 457 8177 Fax: (770) 457-8188 AES Job Number: 1410109

Qalvn

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-060A

Client Sample ID: 5-SC-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Brown semi-hard silty to fibrous with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	10
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	5
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

Elena Ivanova

ND = None Detected

ALS, Inc. is accredited by NISI's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 104 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-9177 Fax:(770) 457-8188 AES Job Number: 1410109

ryla9î

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-061A

Client Sample ID: 5-SC-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Brown semi-hard silty to fibrous with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	10
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
remolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
lineral Wool:	ND
iberglass:	ND
Cellulose:	5
nimal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

Elena Ivanova

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 6007M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Matienals" (EPA/6007R-93/116), 1993

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 105 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel: (770) 457-8177 Fax: (770) 457-8188 AES Job Number: 1410109

nvlaþ,

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-082A

Client Sample ID: 5-WPM-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray / Black hard silty with fibers and bitumen

All percentages given below are visually estimated by volume

		• • •	
ASBESTOS	FIBERS	NON-FIBROUS N	MATERIA
Chrysotile:	ND	Vermiculite:	ND
Amosite:	ND	Biotite:	NE
Crocidolite:	ND	Mica:	ND
Anthophyllite:	ND	Perlite:	ND
Tremolite:	ND	Aggregates:	ND
Actinolite:	ND	Styrofoam:	ND
NON-ASBEST	OS FIBERS	OTHER	es
Synthetics:	ND	Aluminum:	ND
Mineral Wool:	ND	Bitumen:	5
Fiberglass:	ND	Resilient Material:	ND
Cellulose:	2	Glue:	NE
Animal Hair:	ND	Binders:	93
Antigonite:	ND		

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Sulsport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 106 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8188 Fax:(770) 457-8188 AES Job Number: 1410109

MA(VV)

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-063A

Client Sample ID: 5-WPM-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray / Black hard silty with fibers and bitumen

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	MATE
/sotile:	ND	Vermiculite:	
osite:	ND	Biotite:	
ocidolite:	ND	Mica:	
nthophyllite:	ND	Perlite:	
emolite:	ND	Aggregates:	
ctinolite:	ND	Styrofoam:	
NON-ASBEST	OS FIBERS	OTHER	RS
ynthetics:	ND	Aluminum:	
neral Wool:	ND	Bitumen:	
berglass:	ND	Resilient Material:	
ellulose:	2	Glue:	
nimal Hair:	ND	Binders:	
ntigonite:	ND		

Comments:

ND = None Detected

AUS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 107 of 135

3000 Presidential Drive

Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

QAJVN Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

1410109 AES Job Number:

Project Name: Client Sample ID: AES Lab ID:

1410I09-064A

5-CER-01

Project Number:

1410.002

Location:

Layer:

1

Sample Description:

Yellow hard silty with fibers

All percentages given below are visually estimated by volume

ASBESTOS F	IBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	S FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments:

ND - None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) nalysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk nsulation Samples" (EPA 600/M4 82 020), 1982 as found in 40 CPR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated column: PLM is not consistently rehable in detecting small concentrations of ashestos in floor tiles and similar nonfinable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 108 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188

AES Job Number:

Lab Code 102082-0

21-Oct-14

Bulk Sample Analysis

1410109

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name: AES Lab ID: 1410I09-064A

5-CER-01 Client Sample ID: 1410.002 Project Number:

2 Location: Layer:

Sample Description: Gray semi-hard partly granular to silty with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) nalysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600°M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated olume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonlinable materials. quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

3080 Presidential Drive Atlanta, GA 30340 Tel : (770) 457-8177 Fax: (770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410109

aa(võõj

Lab Code 10208

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

5-CER-02

AES Job Number: 1410109

Project Name:

AES Lab ID: 1410109-065A

Client Sample ID:

Project Number:

1410.002

Location:

Layer:

1

Sample Description:

Light Gray hard silty with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES, Inc. as accredited by NIST's National Voluntary Lisboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive subestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 110 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel: (770) 457-8177 Fax: (770) 457-9188 AES Job Number: 141

1410109

NAMP.

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-065A

Client Sample ID: 5-CER-02 Project Number: 1410.002

Location: Layer: 2

Sample Description: Gray semi-hard to partly granular with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	MATERI
Chrysotile:	ND	Vermiculite:	NE
Amosite:	ND	Biotite:	N
Crocidolite:	ND	Mica:	NE
Anthophyllite:	ND	Perlite:	NE
Tremolite:	ND	Aggregates:	35
Actinolite:	ND	Styrofoam:	ND
NON-ASBEST	OS FIBERS	OTHER	RS
Synthetics:	ND	Aluminum:	NE
Mineral Wool:	ND	Bitumen:	ND
Fiberglass:	ND	Resilient Material:	ND
Cellulose:	1	Glue:	NE
Animal Hair:	ND	Binders:	64
Antigonite:	ND	7	

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/b44 82-020), 1982 as found in 40 CFR, Part 763, Appendix B to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/b-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:



AES Job Number: 1410109

rv(Pē

Atlanta,GA 30340 Tel :(770) 457-9177 Fax:(770) 457-8188

3080 Presidential Drive

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-066A

Client Sample TD: 5-CER-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Light Gray hard silty with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Matienaly" (EPA/600/R-93/116), 1993

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written appeared of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 112 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

rvlaģ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-086A

Client Sample ID: 5-CER-03 Project Number: 1410.002

Location: Layer: 2

Sample Description: Gray semi-hard to partly granular with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
rocidolite:	ND
nthophyllite:	ND
remolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
ynthetics:	ND
lineral Wool:	ND
iberglass:	ND
ellulose:	1
nimal Hair:	ND
intigonite:	ND

Comments:

ND - None Detected

AES Inc. is accordated by NIST's National Voluntary Laboratory Accorditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR. Part 763. Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 113 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel .(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

ğalvı

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-067A

Client Sample TD: 5-Al-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray soft fibrous to silty

All percentages given below are visually estimated by volume

ASBESTOS	S FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	80
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Paet 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 114 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel .(770) 457-9177 Fax:(770) 457-8188 AES Job Number: 1410109

nalvð

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-068A

Client Sample TD: 5-Al-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray soft fibrous to silty

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	80
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Matientsk" (EPA/600/R-93/116), 1993

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 115 of 135

3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410109

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Durbin Environmental Consultants, Inc. Client Name:

AES Job Number:

1410109

Project Name: Client Sample ID:

AES Lab ID: 1410I09-069A

Project Number:

1410.002

Location:

5-AI-03

Layer:

1

Sample Description:

Gray soft fibrous to silty

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	80
Animal Hair:	ND
Antigonite:	ND

Comments:

ND - None Detected

AES, Inc. is accordited by NIST's National Voluntary Laboratory Accorditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA 'Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600'M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Sulport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estim volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

Yelena Khanina

Page 116 of 135

3090 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number

Lab Code 102082-0

Fax:(770) 457-8188 **Bulk Sample Analysis**

21-Oct-14

1410109

Client Name: Durbin Environmental Consultants, Inc.

1410109 AES Job Number:

Project Name:

AES Lab ID: 1410I09-070A

Client Sample ID:

Project Number:

Layer:

1410.002

1

Location:

Sample Description: Gray soft fibrous with aluminum and glue

5-DI1-01

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	5
Cellulose:	80
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES Inc. is accordated by NIST's National Voluntary Laboratory Accorditation Program (NVLAP) for Polurized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determin of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to these samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

Yelena Khanina

Page 117 of 135

3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number

1410109

antað.

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1410109

Project Name:

AES Lab ID:

1410109-070A

Client Sample ID:

5-DI1-01

Project Number:

1410.002

Location:

Layer:

2

Sample Description: Yellow soft fibrous

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
ysotile:	ND
nosite:	ND
cidolite:	ND
hophyllite:	ND
emolite:	ND
tinolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
eral Wool:	ND
erglass:	95
lulose:	ND
nal Hair:	ND
tigonite:	ND

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Lisboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/000/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently rehable in detecting small concentrations of sobestor in floor tiles and similar numbrable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 118 of 135

3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410109

qal∨n

Lab Code 102082

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job

Gray soft fibrous with aluminum and glue

AES Job Number: 1410109

Project Name:

Sample Description:

AFS Lab ID: 1410109-071A

Client Sample ID: 5-DI1-02

Project Number: 1410.002

Location:

Layer: 1

All percentages given below are visually estimated by volume

			_
ASBESTOS	FIBERS	NON-FIBROUS	MA
hrysotile:	ND	Vermiculite:	
mosite:	ND	Biotite:	
rocidolite:	ND	Mica:	
nthophyllite:	ND	Perlite:	
remolite:	ND	Aggregates:	
ctinolite:	ND	Styrofoam:	
NON-ASBEST	OS FIBERS	ОТНЕ	RS
ynthetics:	ND	Aluminum:	_
ineral Wool:	ND	Bitumen:	
iberglass:	5	Resilient Material:	
ellulose:	80	Glue:	
nimal Hair:	ND	Binders:	
Antigonite:	ND		

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently scholable in detecting small concentrations of solutions in floor tiles and smaller monitrable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

Yelena Khanina

Page 119 of 135

3000 Presidential Drive Atlanta, GA 30340 Tel :(770) 457 8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number: 1410109

rvlaģ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name:

Yellow soft fibrous

AES Lab ID: 1410109-071A

Client Sample ID: 5-Dl1-02 Proj

Project Number: 1410.002

1410109

Location:

Sample Description:

Layer: 2

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
rysotile:	ND
mosite:	ND
ocidolite:	ND
thophyllite:	ND
emolite:	ND
tinolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
eral Wool:	ND
erglass:	95
llulose:	ND
mal Hair:	ND
tigonite:	ND

Comments:

ND = None Detected

ALS, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

3080 Presidential Drive

Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410100

nalvå

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-072A

 Client Sample ID:
 5-DI1-03
 Project Number:
 1410.002

 Location:
 Layer:
 1

Sample Description: Gray soft fibrous with aluminum and glue

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	5
Cellulose:	80
Animal Hair:	ND
Antigonite:	ND

Comments:

ND - None Detected

AES Jun: as accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples." (EPA 600/M4-82-020), 1982 as found in 40 CFR. Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Mitterials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 121 of 135



3000 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

nalvå

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-072A

Client Sample ID: 5-DI1-03 Project Number: 1410.002

Location: Layer: 2

Sample Description: Yellow soft fibrous

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	95
Cellulose:	ND
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntiery Laboratory Accreditation Program (NVLAP) for Pularized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 122 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number 1410109

nvlaģ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-073A

Client Sample ID: 5-PI1-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Light Gray soft silty to fibrous with paint

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	25
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	S FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	5
Animal Hair:	ND
Antigonite:	ND

Comments: Paint included as binder

ND - None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 100082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 6007M-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subject E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/6007R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 123 of 135

3000 Presidential Drive Atlanta,GA 30340 Tel .(770) 457 8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

1410109

1410109

rv(Pð

Lab Code 102082-

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

Project Name: AES Lab ID: 1410109-074A

Client Sample ID: 5-PI1-02 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray soft fibrous to silty

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	5
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	90
Animal Hair:	ND
Antigonite:	ND

Comments:

ND - None Detected

AES, Inc. is secredited by NTST's Natured Voluntsey Laboratory Accrecitation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are seported by visually estimated volume. PLM is not consistently rebuble in detecting small concentrations of asbestos in floor tiles and similar numfrishle materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

Yelena Khanina



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax.(770) 457-8188 AES Job Number: 1410109

Malvá

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-074A

Client Sample ID: 5-PI1-02 Project Number: 1410.002

Location: Layer: 2

Sample Description: Black semi-hard fibrous to bitumenous

All percentages given below are visually estimated by volume

	p
ASBESTOS	SFIBERS
hrysotile:	ND
mosite:	ND
rocidolite:	ND
nthophyllite:	ND
remolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
ynthetics:	ND
ineral Wool:	ND
iberglass:	ND
ellulose:	50
nimal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600764-82-020), 1982 as found in 40 CFR, Port 763, Appendix E to Subject E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/60078-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 125 of 135



AES Job Number:

1410109

3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1

1410109

Project Name:

AES Lab ID: 1410109-075A

Client Sample ID: 5-PI1-03

Project Number:

1410.002

Location:

Layer:

1

Sample Description:

Gray soft fibrous to silty

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	5
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	90
Animal Hair:	ND

Comments:

ND = None Detected

AES, Inc. is accredited by NTST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M-82-020), 1982 as found in 40 CFR, Port 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 126 of 135



3080 Presidential Drive Atlanta,GA 30340 Tel :(770) 457-8177 Fax:(770) 457-8188 AES Job Number: 1410109

Ma(vð

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-076A

Client Sample ID: 5-DT1-01 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray semi-hard woven to resilient

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
hrysotile:	ND
mosite:	ND
ocidolite:	ND
thophyllite:	ND
emolite:	ND
tinolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
eral Wool:	ND
erglass:	ND
llulose:	60
imal Hair:	ND
tigonite:	ND

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subject E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is concentrally the only method that can be used to determine conclusive asbestos centent.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina



Client Sample ID:

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3000 Presidential Drive Atlanta, GA 30340 Tel .(770) 457-8177 Fax:(770) 457-9188

1410109 AES Job Number:

1410109

1410.002

Project Number:

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Durbin Environmental Consultants, Inc. Client Name: AES Job Number:

Project Name: AES Lab ID: 1410I09-077A 5-DT1-02

Location: Layer:

Sample Description: Gray semi-hard woven to resilient

All percentages given below are visually estimated by volume

ASBESTOS	SFIBERS
hrysotile:	ND
mosite:	ND
rocidolite:	ND
nthophyllite:	ND
remolite:	ND
ctinolite:	ND
NON-ASBEST	OS FIBERS
nthetics:	ND
neral Wool:	ND
berglass:	ND
ellulose:	60
nimal Hair:	ND
ntigonite:	ND

Comments:

ND - None Detected

AES,Inc. is accordated by NIST's National Voluntary Laboratory Accorditation Program (NVLAP) for Pubriced Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated column: PLM is not consistently reliable in detecting small concentrations of asbestos in fluor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

his report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 128 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel : (770) 457-8177 Fax. (770) 457-8180 AES Job Number: 1410109

nalvē

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410109-078A

Client Sample ID: 5-DT1-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray semi-hard woven to resilient

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
nthophyllite:	ND
remolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	60
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

ABS,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix B to Subpart B and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently rehable in detecting small concentrations of solusios in floor tiles and similar nonfrishle materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Elena Ivanova

Microanalyst:

QC Analyst:

Yelena Khanina



3080 Presidential Drive Atlanta, GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188

AES Job Number:

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Durbin Environmental Consultants, Inc. Client Name:

AES Job Number:

Project Number:

Layer:

Project Name: Client Sample ID:

AES Lab ID:

1410109 1410I09-079A

5-EBM-01

1410.002

Location:

Sample Description:

Gray semi-hard partly granular to silty

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	MAT
hrysotile:	ND	Vermiculite:	
mosite:	ND	Biotite:	
ocidolite:	ND	Mica:	
nthophyllite:	ND	Perlite:	
emolite:	ND	Aggregates:	
ctinolite:	ND	Styrofoam:	
NON-ASBEST	OS FIBERS	ОТНЕ	ERS
ynthetics:	ND	Aluminum:	
neral Wool:	ND	Bitumen:	
berglass:	ND	Resilient Material:	
ellulose:	1	Glue:	
nimal Hair:	ND	Binders:	
Antigonite:	ND		

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subport E and "Method for the Determination of Ashestos in Bulk Building Materials" (EPA/600/R-93/116), 1993

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 130 of 135



AES Job Number: 1410109

qalvn

Lab Code 102082-0

Tel:(770) 457-8177 Fax:(770) 457-8188

3080 Presidential Drive Atlanta,GA 30340

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number: 1410109

Project Name:

AES Lab ID: 1410109-080A

Client Sample ID:

Sample Description:

Project Number:

1410.002

Location:

6-EBM-02

Layer:

1

Gray semi-hard partly granular to silty

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS	NON-FIBROUS	MATE
Chrysotile:	ND	Vermiculite:	
mosite:	ND	Biotite:	
rocidolite:	ND	Mica:	
nthophyllite:	ND	Perlite:	
remolite:	ND	Aggregates:	
Actinolite:	ND	Styrofoam:	
NON-ASBEST	OS FIBERS	OTHE	RS
Synthetics:	ND	Aluminum:	
/lineral Wool:	ND	Bitumen:	
iberglass:	ND	Resilient Material:	
Cellulose:	1	Glue:	
nimal Hair:	ND	Binders:	
Antigonite:	ND		

Comments:

ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Pset 763, Appendix E to Sulport E and "Method fin the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

Those test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 131 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel . (770) 457 8177 Fax: (770) 457-8188 AES Job Number:

1410109

MANAD.

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number: 1410109

Project Name: AES Lab ID: 1410/09-081A

Client Sample ID: 5-EBM-03 Project Number: 1410.002

Location: Layer: 1

Sample Description: Gray semi-hard partly granular to silty

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
remolite:	ND
Actinolite:	ND
NON-ASBEST	OS FIBERS
Synthetics:	ND
/lineral Wool:	ND
iberglass:	ND
ellulose:	1
nimal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

ALS, Inc. is accredited by NISI's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R 93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the chent. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

QC Analyst:

Yelena Khanina

Page 132 of 135



1410109 AES Job Number:

NVLAG

Lab Code 102082-0

Atlanta,GA 30340 Tel:(770) 457-8177 Fax.(770) 457 8188

3080 Presidential Drive

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

1410109 AES Job Number:

Project Name: Client Sample ID:

AES Lab ID: Project Number: 1410109-082A 1410.002

Location:

5-SS-01

Layer:

1

Black semi-hard silty with fibers Sample Description:

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTO	OS FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

ABS,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) malysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk insulation Samples" (EPA 600/b4-82-020), 1982 as found in 40 CFR, Part 763, Appendix B to Subpart B and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of ashestos in floor tiles and similar nonfriable materials. quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 133 of 135



3080 Presidential Drive Atlanta, GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188

1410109 AES Job Number:

nvlaģ

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc.

AES Job Number:

1410109

Project Name: Client Sample ID:

AES Lab ID:

1410I09-083A

5-SS-02

Project Number:

1410.002

Location:

Layer:

1

Sample Description:

Black semi-hard silty with fibers

All percentages given below are visually estimated by volume

ASBESTOS FI	BERS
Chrysotile:	ND
Amosite:	ND
Crocidolite:	ND
Anthophyllite:	ND
Tremolite:	ND
Actinolite:	ND
NON-ASBESTOS	FIBERS
Synthetics:	ND
Mineral Wool:	ND
Fiberglass:	ND
Cellulose:	1
Animal Hair:	ND
Antigonite:	ND

Comments:

ND = None Detected

AES Jue as accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA 'Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina

Page 134 of 135

3080 Presidential Drive Atlanta,GA 30340 Tel:(770) 457-8177 Fax:(770) 457-8188



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES Job Number:

Lab Code 102082-0

Bulk Sample Analysis

21-Oct-14

Client Name: Durbin Environmental Consultants, Inc. AES Job Number:

1410109

Project Name:

AES Lab ID:

1410I09-084A

Client Sample ID:

5-SS-03

1410.002

Location:

Project Number: Layer:

1

Sample Description:

Black semi-hard silty with fibers

All percentages given below are visually estimated by volume

ASBESTOS	FIBERS
hrysotile:	ND
mosite:	ND
ocidolite:	ND
hophyllite:	ND
nolite:	ND
nolite:	ND
NON-ASBEST	OS FIBERS
thetics:	ND
ral Wool:	ND
erglass:	ND
lulose:	1
mal Hair:	ND
igonite:	ND

Comments:

ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.

These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

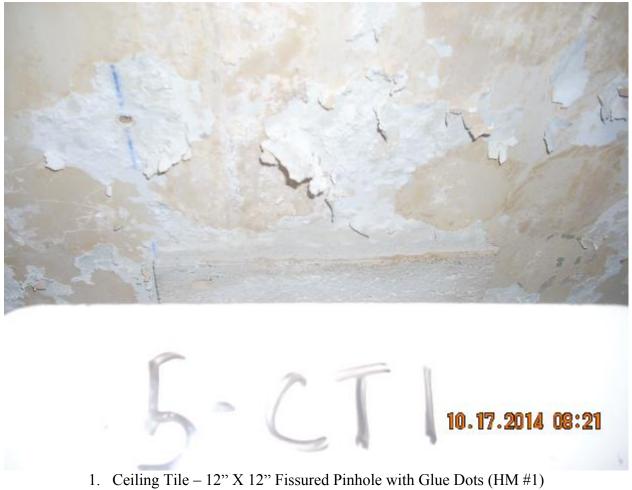
Microanalyst:

QC Analyst:

Yelena Khanina

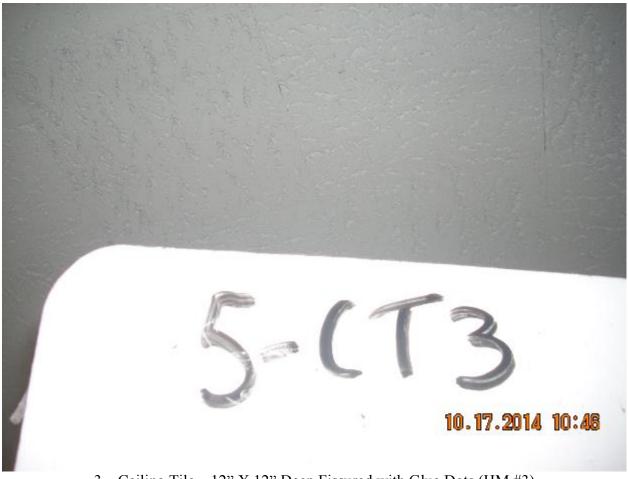
Page 135 of 135

Representative Photographs of Suspect Asbestos Containing Materials

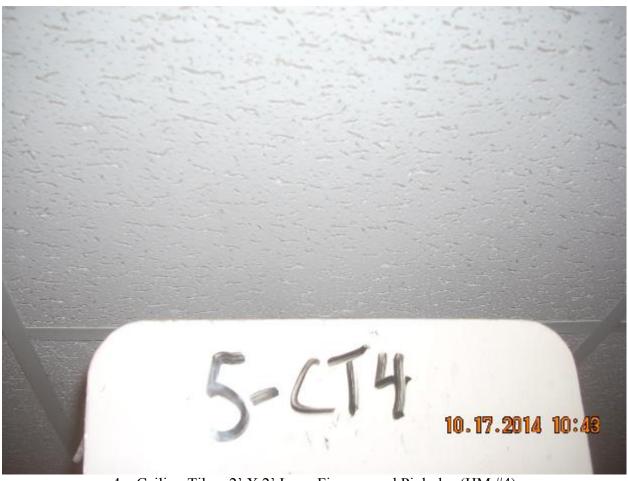




2. Ceiling Tile – 2' X 2' Small Fissures and Pinholes (HM #2)



3. Ceiling Tile – 12" X 12" Deep Fissured with Glue Dots (HM #3)



4. Ceiling Tile – 2' X 2' Long Fissures and Pinholes (HM #4)



5. Floor Tile – 12" X 12" Beige with Darker Beige Specks and Associated Mastic/Glue/Adhesive (HM #5)



6. Floor Tile – 12" X 12" Blue and Associated Mastic/Glue/Adhesive (HM #6)



7. Floor Tile – 12" X 12" Light Beige and Associated Mastic/Glue/Adhesive (HM #7)



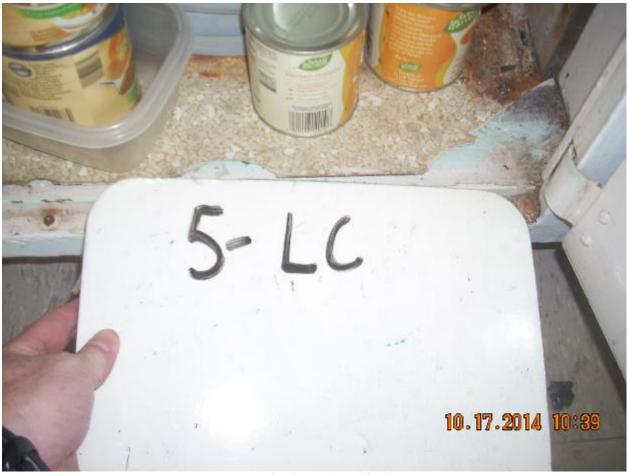
8. Floor Tile – 12" X 12" White with Grey Specks and Associated Mastic/Glue/Adhesive (HM #8)



9. Floor Tile – 9" X 9" Red and Associated Mastic/Glue/Adhesive (HM #9)



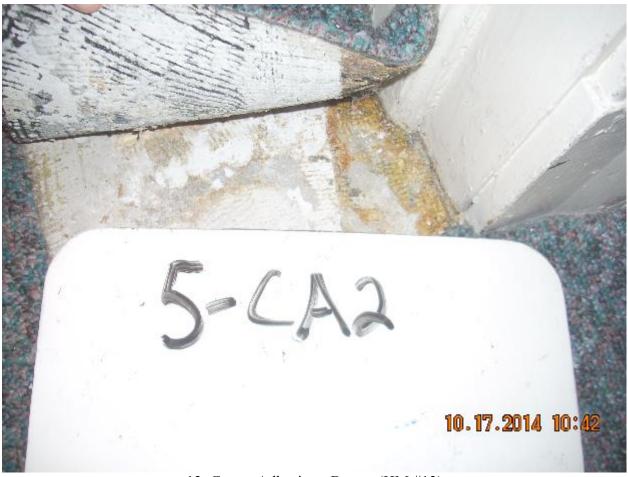
10. Grey Stair Tread (HM #10)



11. Linoleum (HM #11)



12. Carpet Adhesive - Green (HM #12)



13. Carpet Adhesive - Brown (HM #13)



14. Dark Brown Covebase and Associated Mastic/Glue/Adhesive (HM #14)



15. Drywall and Joint Compound (HM #15)





17. Window Caulk (HM #17)



18. Penetration Caulk (HM #18)



19. Exterior Window Caulk/Sealant – Silicone-type (HM #19)



20. Sink Undercoating - Black (HM #20)



21. Water Proofing Material - Black (HM #21)



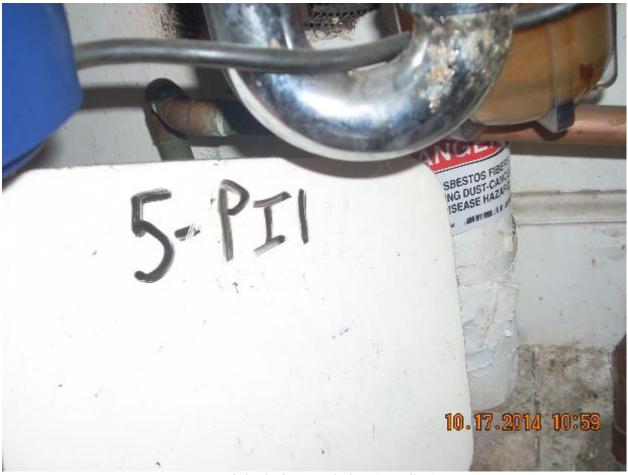
22. Ceramic Tile and Grout (HM #22)



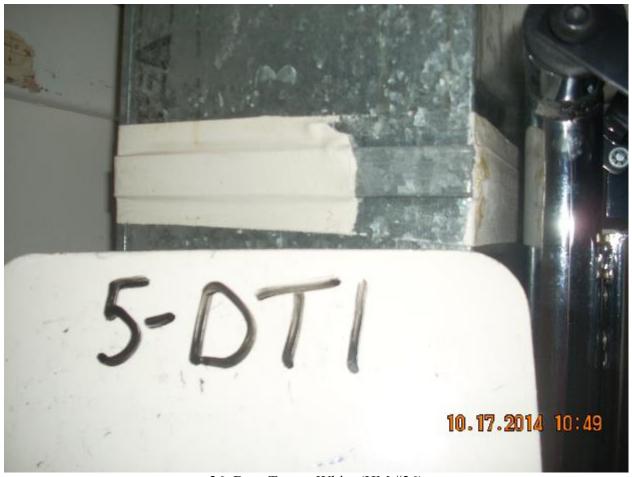
23. Attic Insulation – Blown-in Type (HM #23)



24. Foil Duct Insulation with Fiberglass (HM #24)



25. Original Pipe Insulation (HM #25)



26. Duct Tape – White (HM #26)



27. Exterior Brick Mortar (HM #27)



28. Roof Shingle – Slate (HM #28)

APPENDIX B

Paint Chip Sample Summary Table Followed by Laboratory Data and Representative Photographs of Paint Chip Samples

Collection Date	Sample Number	Description	Location	Analytical Method	Percent Lead by Weight (wt%)
10/17/14	5-PC-01	White Paint	Plaster Ceiling, Room 206-5N	AAS	0.0592
10/17/14	5-PC-02	White Paint	Wood Baseboard, Kitchen, Room 104-5S, Under Sink	AAS	1.92
10/17/14	5-PC-03	Blue Paint	Plaster Wall, Room 203-5N	AAS	0.144
10/17/14	5-PC-04	White Paint over Beige Paint	Plaster Ceiling, Room 206-5S	AAS	0.225
10/17/14	5-PC-05	Black Paint	Metal Hand Rail, Exterior	AAS	0.0202

BRL: Not Detected at the Reporting Limit



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 21, 2014

Sellers Carmack Durbin Environmental Consultants, Inc. 3461 Lawrenceville-Suwanee Rd. Ste A Suwanee GA 30024

TEL: (678) 482-9917 FAX: (678) 482-7510

RE: 1410.002

Dear Sellers Carmack: Order No: 1410I10

Analytical Environmental Services, Inc. received 5 samples on 10/18/2014 11:15:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Chantelle Kanhai

Ω£Kanha∪

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889 www.aesatlanta.com

Durbin Environmental Consultants, Inc. Georgetowne Square 3461 Lawrenceville-Suwanee Road, Suite A Suwanee, Georgia 30024 Voice (678) 482-9917 Fax (678) 482-7510

1410I10

	SAM	PLE C	HAIN OF CUST	CODY	7		. (1 1)
Proje	Project Number: 14/0, 007			Bul	k: V Par	ist Ch	in (Lead)
Date:	10/18/20	014			.ir:		
No	Sample ID	NO	Sample ID	No	Sample ID	NO	Sample ID
1.	5-PC-01	26.		51.		76.	,
2.	5-PC-02	27.		52.		77.	
3.	5-PC-03	28.		53.		78.	
4.	5-PC-04	29.		54.		79.	
5,	5-PC-05	30.		55.		80.	
6.		31.		56.		81.	
7.		32.		57.		82,	
8.		33.		58.		83.	
9.		34.		59.		84.	
10.		35.		60.		85.	
11.		36.		61.		86.	
12.		37.		62.		87.	
13.		38.		63.		88.	
14.		39.		64		89.	
15.		40.		65.		90.	
16.		41.		66.		91.	
17.		42.		67.		92.	
18.		43.		68.		93.	
19.		44.		69.		94.	
20.		45.		70.		95.	
21.		46.		71.		96.	
22.		47.		72.		97.	
23.		48.		73.		98.	
24.		49.		74.		99.	
25.		50.		75.		100.	
Comme	ents. Send Ro	NB	1-HWR TR				
	Mike Durl.	us.	mdurbis	@d	Pursin envi	runn	estal.ions
	Selles Car	nade	ScarMu	cke	2 durbinen	11/00/	neshlows
Relinqu	nished By: Manager	UD)	Dut med losselled	Recei Comp	onny: AES) J.	onf.
Date:		10/18/	20/4	Date:	10/18	1/201	Page 2 of 5

Analytical Environmental Services, Inc

Lab Order: 1410110

Client: Durbin Environmental Consultants, Inc.

Project: 1410.002 Matrix: Paint

Date Received: 10/18/2014 11:15:00 AM

Date: 21-Oct-14

TOTAL LEAD IN PAINT (N7082)

PAINT

Laborato	ry ID CI	ient Sample ID	Result	Units	Reporting Limit	DF	Qual	Date Collected	Date Analyzed	Analyst
1410110-0	001A	5-PC-01	0.0592	wt%	0.00916	1		10/18/2014	10/21/2014	TA
1410I10 (002A	5 PC 02	1.92	wt%	0.101	11.4		10/18/2014	10/21/2014	TΛ
1410I10	003A	5-PC-03	0.144	wt%	0.00756	1		10/18/2014	10/21/2014	TΛ
1410110-0	004A	5-PC-04	0.225	wt%	0.00790	1		10/18/2014	10/21/2014	TA
1410I10-0	005A	5-PC-05	0.0202	wt%	0.00801	1		10/18/2014	10/21/2014	TA

Qualifiers: BRL - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Results are black corrected where applicable

DF - Dilution Factor

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Durbin Emissionmenta	l	Work Orde	er Number	1410I10
Checklist completed by Toana Pacurar Signature Date	10/1	8/14		
Carrier name: FedEx UPS Courier Client US	S Mail Othe	r		
Shipping container/cooler in good condition?	Yes _	No	Not Present _	_
Custody seals intact on shipping container/cooler?	Yes	No	Not Present	
Custody seals intact on sample bottles?	Yes	No _	Not Present	<u>/</u>
Container/Temp Blank temperature in compliance? (4ºC12)*	Yes _	No		
Cooler #1 Ambient Cooler #2 Cooler #3	_ Cooler #4 _	Co	oler#5	Cooler #6
Chain of custody present?	Yes _	No		
Chain of custody signed when relinquished and received?	Yes _	No _		
Chain of custody agrees with sample labels?	Yes _	No		
Samples in proper container/bottle?	Yes _	No		
Sample containers intact?	Yes _	No		
Sufficient sample volume for indicated test?	Yes	No		
All samples received within holding time?	Yes 🗸	No		
Was TAT marked on the COC?	Yes _	No _		
Proceed with Standard TAT as per project history?	Yes	No	Not Applicat	ole
Water - VOA vials have zero headspace? No VOA vials su	bmitted	Yes _	No	
Water - pH acceptable upon receipt?	Yes	No	Not Applicab	ole
Adjusted?		ked by		_
Sample Condition: Good Other(Explain)				_
(For diffusive samples or AIHA lead) Is a known blank include	ed? Yes	_ 1	No _	
See Case Narrative for resolution of the Non-Conformance) ,			
* Samples do not have to comply with the given range for certain parameters.				

Page 4 of 5

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Analytical Environmental Se	rvices, Inc	t							Date:	21-Oct-14		
Project Name: 1410.002	t Name: 1410.002					ANALYTICAL QC SUMMARY REPORT						
Workorder: 1410110								BatchII	D: 1979	65		
Sample ID: MB-197965	Client ID:				Uni	ts: wt%	Pres	Date: 10/23	/2014	Run No: 27	8246	
SampleType: MBLK	TestCode:	TOTAL LEAD IN PAIN	T (N7082)		Bat	chID: 197965	Ana	dysis Date: 10/2)	/2014	Seq No: 58	90661	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Lin	nit Qual	
cod	BRI.	0.0100										
Sample ID: LCS-197965	Chent ID:				Uni	ts: wi%	Prej	Date: 10/21	/2014	Run No: 27	8246	
SampleType: LCS	TestCode:	TOTAL LEAD IN PAIN	I (N7082)		Bat	chID: 197965	Ana	lysis Date: 10/21	/2014	Seq No: 58	90662	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Li	nit Qual	
ead	0.7201	0.0540	0.7204		100.0	80	120					
Sample ID: 1410110 001AMS	Client ID:				Uni	ts: wt%	Prep	Date: 10/21	/2014	Run No: 27	9246	
SampleType: MS	TestCode:	TOTAL LEAD IN PAIN	I (N7082)		Bat	chID: 197965	Ana	lysis Date: 10/21	/2014	Seq No: 58	90665	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Lie	nit Qual	
ead	0.5404	0.0516	0.4579	0.05924	105	75	125					
Sample ID: 1410I10-001AMSD	Chent ID:	5-PC-01			Uni	ts: wt%	Prep	Date: 10/21	/2014	Run No: 27	8246	
SampleType: MSD	TestCode:	TOTAL LEAD IN PAIN	I (N7082)		Bat	chID: 197965	Ano	lysis Date: 10/21	/2014	Seq No: 58	80666	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Lin	nit Qual	
ead	0.4840	0.0472	0.4579	0.05924	92.8	75	125	0.5404	11.0	25		

Course than Renth value

Rpr Lim Reporting Limit

Less than Result value

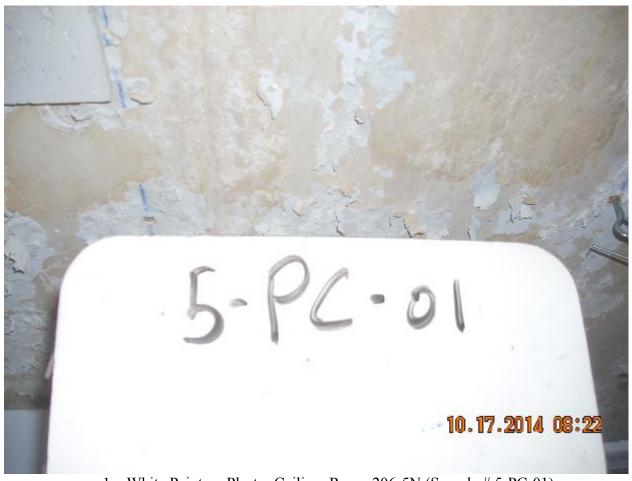
Entimated (value above quantization range)
 Analyse non-NELAC certified
 Spike Recovery conside limits due to matrix

II Initing times for preparation or analysis and R RSO conside limits due to marrix

D Applyes descried to the associated method black

Page 5 of 5

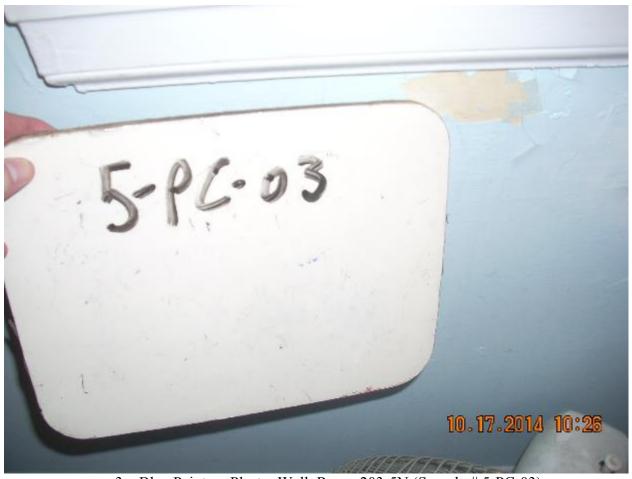
Representative Photographs of Paint Chip Samples



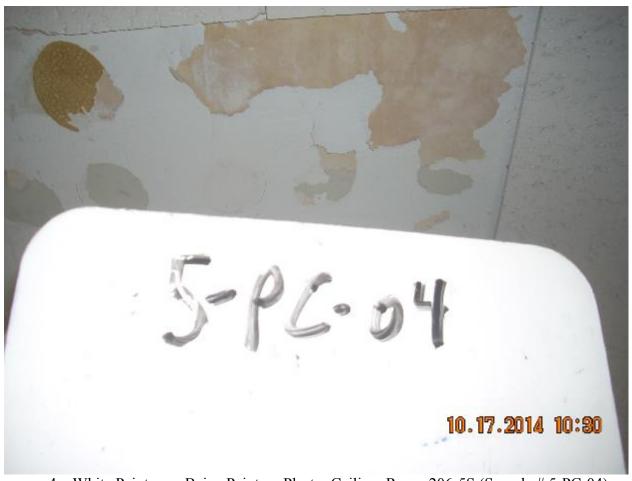
1. White Paint on Plaster Ceiling, Room 206-5N (Sample # 5-PC-01)



2. White Paint on Wood Baseboard, Kitchen, Room 104-5S (Sample # 5-PC-02)



3. Blue Paint on Plaster Wall, Room 203-5N (Sample # 5-PC-03)



4. White Paint over Beige Paint on Plaster Ceiling, Room 206-5S (Sample # 5-PC-04)



5. Black Paint on Metal Hand Rail, Exterior (Sample # 5-PC-05)